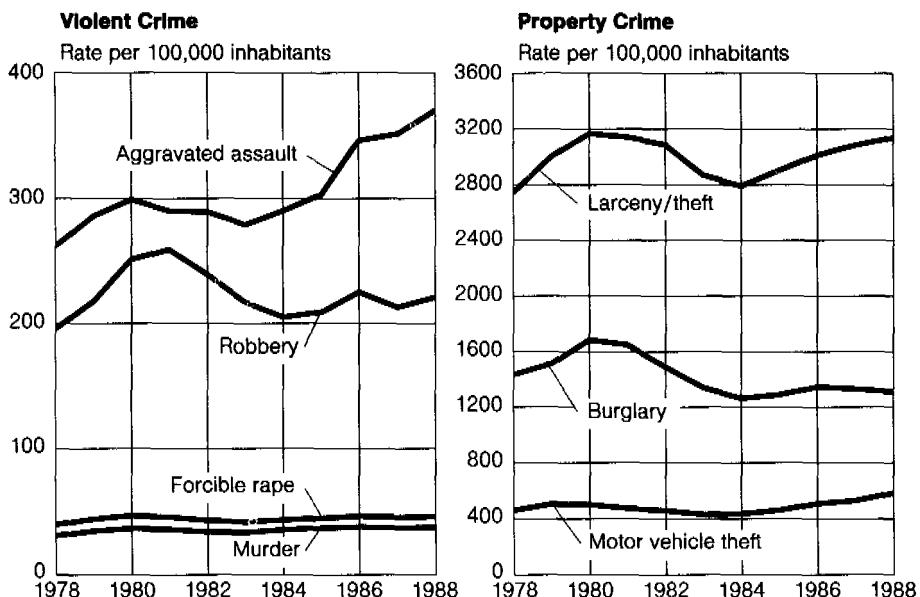
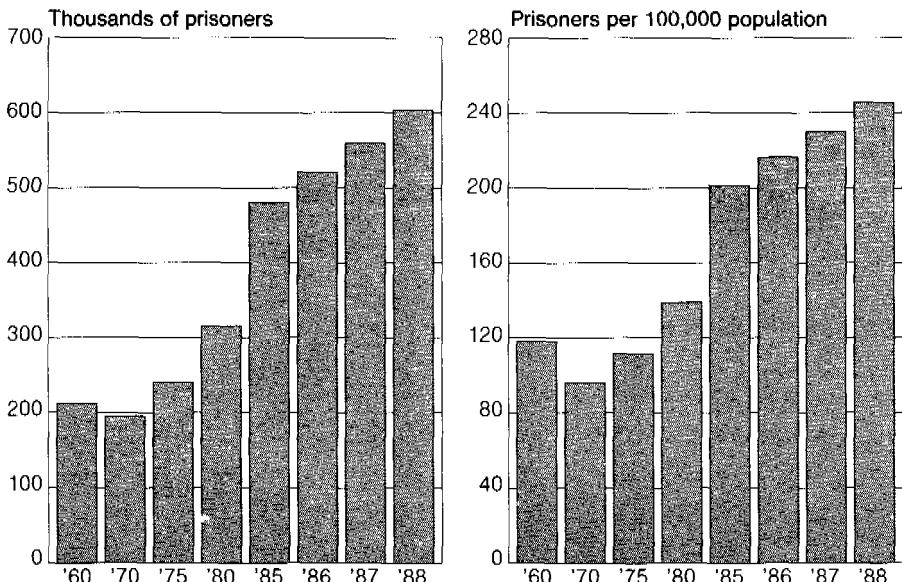


Figure 5.1
Selected Crime Rates: 1978 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 283.

Figure 5.2
Federal and State Prisoners: 1960 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 324.



Section 5

Law Enforcement, Courts, and Prisons

This section presents data on crimes committed, victims of crimes, arrests, and data related to criminal violations, and the criminal justice system. The major sources of these data are the Bureau of Justice Statistics (BJS) and the Federal Bureau of Investigation (FBI). BJS issues several reports, including *Sourcebook of Criminal Justice Statistics*, *Criminal Victimization in the United States*, *Prisoners in State and Federal Institutions*, *Children in Custody*, *National Survey of Courts*, *Census of State Correctional Facilities* and *Survey of Prison Inmates*, *Census of Jails* and *Survey of Jail Inmates*, *Parole in the United States*, *Capital Punishment*, and the annual *Expenditure and Employment Data for the Criminal Justice System*. The Federal Bureau of Investigation's major annual report is *Crime in the United States*, which presents data on reported crimes as gathered from State and local law enforcement agencies.

Other major sources of these data include: *Annual Report of the Director, Federal Court Management Statistics*, *Federal Offenders*, and *Sentences Imposed Chart* issued by the Administrative Office of the U.S. Courts; *Governmental Finances and Public Employment*, issued annually by the Bureau of the Census; and the *Statistical Report*, issued annually by the Federal Bureau of Prisons.

Legal jurisdiction and law enforcement.—Law enforcement is, for the most part, a function of State and local officers and agencies. The U.S. Constitution reserves general police powers to the States. By act of Congress, Federal offenses include only offenses against the U.S. Government and against or by its employees while engaged in their official duties, and offenses which involve the crossing of State lines or an interference with interstate commerce. Excluding the military, there are 52 separate criminal law jurisdictions in the United States: 1 in each of the 50 States, 1 in the District of Columbia, and the Federal jurisdiction. Each of these has its own criminal law and procedure and its own law enforcement agencies. While the systems of law enforcement are quite similar among the States, there are often substantial differences in the penalties for like offenses.

Law enforcement can be divided into three parts: investigation of crimes and arrests of persons suspected of committing them; prosecution of those charged with crime; and the punishment or treatment of persons convicted of crime.

Crime.—There are two major approaches taken in determining the extent of crime. One perspective is provided by the FBI through its Uniform Crime Reporting Program (UCR). The FBI receives monthly and annual reports from law enforcement agencies throughout the country, currently representing 98 percent of the national population. Each month, city police, sheriffs, and State police file reports on the number of index offenses that become known to them. The FBI Crime Index offenses are as follows: *Murder and nonnegligent manslaughter*, is based on police investigations, as opposed to the determination of a medical examiner or judicial body, includes willful felonious homicides, and excludes attempts and assaults to kill, suicides, accidental deaths, justifiable homicides, and deaths caused by negligence; *forcible rape* includes forcible rapes and attempts; *robbery* includes stealing or taking anything of value by force or violence or threat of force or violence and includes attempted robbery; *aggravated assault* includes assault with intent to kill; *burglary* includes any unlawful entry to commit a felony or a theft and includes attempted burglary and burglary followed by larceny; *larceny* includes theft of property or articles of value without use of force and violence or fraud and excludes embezzlement, "con games," forgery, etc.; *motor vehicle theft* includes all cases where vehicles are driven away and abandoned, but excludes vehicles taken for temporary use and returned by the taker. *Arson* was added as the eighth Index offense in April 1979 following a Congressional mandate. *Arson* includes any willful or malicious burning or attempt to burn with or without intent to defraud, a dwelling house, public building, motor vehicle or aircraft, personal property of another, etc.

The monthly Uniform Crime Reports also contain data on crimes cleared by arrest and on characteristics of persons arrested for all criminal offenses. In summarizing and publishing crime data, the FBI depends primarily on the adherence to the established standards of reporting for statistical

accuracy, presenting the data as information useful to persons concerned with the problem of crime and criminal-law enforcement.

National Crime Survey (NCS)—A second perspective on crime is provided by the National Crime Survey (NCS) of the Bureau of Justice Statistics. The NCS includes offenses reported to the police, as well as those not reported (see table below for percent of victimizations reported to the police). Details about the crimes come directly from the victims. No attempt is made to validate the information against police records or any other source. The NCS measures rape, robbery, assault, household and personal larceny, burglary, and motor vehicle theft.

Murder and kidnapping are not covered. Commercial burglary and robbery were dropped from the program during 1977. The so-called victimless crimes, such as drunkenness, drug abuse, and prostitution, also are excluded, as are crimes for which it is difficult to identify knowledgeable respondents or to locate data records.

Crimes of which the victim may not be aware also cannot be measured effectively. Buying stolen property may fall into this category, as may some instances of embezzlement. Attempted crimes of many types probably are under recorded for this reason. Events in which the victim has shown a willingness to participate in illegal activity also are excluded.

In any encounter involving a personal crime, more than one criminal act can be committed against an individual. For example, a rape may be associated with a robbery; or a household offense, such as a burglary, can escalate into something more serious in the event of a personal confrontation. In classifying the survey-measured crimes, each criminal incident has been counted only once—by the most serious act that took place during the incident and ranked in accordance with the seriousness classification system used by the Federal Bureau of Investigation. The order of seriousness for crimes against persons is as follows: Rape, robbery, assault, and larceny. Consequently, if a person were both robbed and assaulted, the event would be classified as robbery; if the victim suffered physical harm, the crime would be categorized as robbery with injury. Personal crimes take precedence over household offenses.

A *victimization*, basic measure of the occurrence of crime, is a specific criminal act as it affects a single victim. The number of victimizations is determined by the number of victims of such acts. Victimization counts serve as key elements in computing rates of victimization. For crimes against persons, the rates are based on the total number of individuals age 12 and over or on a portion of that population sharing a particular characteristic or set of traits. As general indicators of the danger of having been victimized during the reference period, the rates are not sufficiently refined to represent true measures of risk for specific individuals or households. For further details regarding the NCS, see *Criminal Victimization in the United States*, by the U.S. Bureau of Justice Statistics.

An *incident* is a specific criminal act involving one or more victims; therefore the number of incidents of personal crime is lower than that of victimizations.

NCS estimates appearing in 1980 and earlier reports made use of population controls derived from the 1970 census. Thereafter, population estimates based on the 1980 census were used. Victimization rates, key measures of the occurrence of crime, and all percentages generally were unaffected by the change in the estimation procedure. Thus, the vast majority of data appearing after 1980 are compatible with data in previous NCS reports.

POLICE REPORTING RATES FOR PERSONAL AND HOUSEHOLD CRIMES: 1975 TO 1987

[Percent of victimization reported to the police]

SECTOR AND TYPE OF CRIME	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Personal sector:											
Crimes of violence.....	47.2	44.2	45.1	47.1	46.6	48.2	47.2	46.6	47.9	49.6	48.4
Rape.....	56.2	48.8	50.5	41.4	55.7	52.8	47.0	56.0	61.0	48.1	53.2
Robbery.....	53.3	50.5	55.5	56.8	55.8	56.2	52.6	54.8	53.5	58.3	56.1
Robbery with injury.....	65.0	65.4	62.2	69.6	66.6	67.1	66.3	60.8	63.5	70.9	70.9
Robbery without injury.....	47.9	43.6	52.0	50.1	50.7	51.2	45.9	51.2	49.3	51.7	47.6
Assault.....	45.2	42.7	42.4	44.9	43.7	45.9	45.8	44.3	46.4	47.6	46.4
Crimes of theft.....	26.3	24.6	24.0	26.9	26.7	26.9	26.5	26.3	27.4	28.0	27.6
Personal larceny with contact.....	34.5	33.7	35.6	35.7	40.4	32.7	35.9	31.5	33.2	38.4	33.4
Personal larceny without contact.....	26.0	24.3	23.6	26.5	26.2	26.7	26.1	26.1	27.1	27.6	27.4
Household sector:											
Household burglary.....	48.6	47.1	47.6	51.3	51.1	49.3	48.7	49.4	49.7	52.3	52.1
Household larceny.....	27.1	24.5	25.1	27.5	26.2	26.8	25.4	26.8	26.8	27.7	27.5
Motor vehicle theft.....	71.1	66.1	68.2	69.3	66.6	72.4	68.5	68.8	70.6	73.0	73.4

Courts.—Court statistics on criminal offenses and the outcome of prosecutions are incomplete for the country as a whole, although data are available for many States individually. The only national compilations of such statistics were made by the Bureau of the Census for 1932 to 1945 covering a maximum of 32 States, and by the Bureau of Justice Statistics for 1986 based on a nationally representative sample survey.

The bulk of civil and criminal litigation in the country is commenced and determined in the various State courts. Only when the U.S. Constitution and acts of Congress specifically confer jurisdiction upon the Federal courts may civil litigation be heard and decided by them. Generally, the Federal courts have jurisdiction over the following types of cases: Suits or proceedings by or against the United States; civil actions between private parties arising under the Constitution, laws, or treaties of the United States; civil actions between private litigants who are citizens of different States; civil cases involving admiralty, maritime, or prize jurisdiction; and all matters in bankruptcy.

There are several types of courts with varying degrees of legal jurisdiction. These jurisdictions include original, appellate, general, and limited or special. A *court of original jurisdiction* is one having the authority initially to try a case and pass judgment on the law and the facts; a *court of appellate jurisdiction* is one with the legal authority to review cases and hear appeals; a *court of general jurisdiction* is a trial court of unlimited original jurisdiction in civil and/or criminal cases, also called a "major trial court"; a *court of limited or special jurisdiction* is a trial court with legal authority over only a particular class of cases, such as probate, juvenile, or traffic cases.

The 94 Federal courts of original jurisdiction are known as the U.S. district courts. One or more of these courts is established in every State and one each in the District of Columbia, Puerto Rico, the Virgin Islands, the Northern Mariana Islands, and Guam. Appeals from the district courts are taken to intermediate appellate courts of which there are 13, known as U.S. courts of appeals and the United States Court of Appeals for the Federal Circuit. The Supreme Court of the United States is the final and highest appellate court in the Federal system of courts.

Juvenile offenders.—For statistical purposes, the FBI and most States classify as juvenile offenders persons under the age of 18 years who have committed a crime or crimes.

Delinquency cases are all cases of youths referred to a juvenile court for violation of a law or ordinance or for seriously "antisocial" conduct. Several types of facilities are available for those adjudicated delinquent, ranging from the short-term physically unrestricted environment to the long-term very restrictive atmosphere.

Prisoners.—Data on prisoners in Federal and State prisons and reformatories were collected annually by the Bureau of the Census until 1950, by the Federal Bureau of Prisons until 1971, transferred then to the Law Enforcement Assistance Administration, and, in 1979, to the Bureau of Justice Statistics. Adults convicted of criminal activity may be given a prison or jail sentence. A *prison* is a confinement facility having custodial authority over adults sentenced to confinement of more than one year. A *jail* is a facility, usually operated by a local law enforcement agency, holding persons detained pending adjudication and/or persons committed after adjudication to one year or less. Nearly every State publishes annual data either for its whole prison system or for each separate State institution.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability pertaining to the National Crime Survey and Uniform Crime Reporting Program, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Law Enforcement, Courts, and Prisons

NO. 283. CRIMES AND CRIME RATES, BY TYPE: 1979 TO 1988

[Data refer to offenses known to the police. Rates are based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. Annual totals for years prior to 1984 were adjusted in 1984 and may not be consistent with those in prior editions. See source for details. Minus sign (-) indicates decrease. For definitions of crimes, see text, section 5. See *Historical Statistics, Colonial Times to 1970*, series H 952-961 for related data]

ITEM AND YEAR	Total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Murder ¹	Forcible rape	Robbery	Aggravated assault	Total	Burglary	Larceny-theft	Motor vehicle theft
Number of offenses (1,000):										
1979	12,250	1,208	21.5	76.4	481	629	11,042	3,328	6,601	1,113
1980	13,408	1,345	23.0	83.0	566	673	12,064	3,795	7,137	1,132
1981	13,424	1,362	22.5	82.5	593	664	12,082	3,780	7,194	1,088
1982	12,974	1,322	21.0	78.8	553	669	11,652	3,447	7,143	1,062
1983	12,109	1,258	19.3	78.9	507	653	10,851	3,130	6,713	1,008
1984	11,882	1,273	18.7	84.2	485	685	10,609	2,984	6,592	1,032
1985	12,431	1,329	19.0	88.7	498	723	11,103	3,073	6,926	1,103
1986	13,212	1,489	20.6	91.5	543	834	11,723	3,241	7,257	1,224
1987	13,509	1,484	20.1	91.1	518	855	12,025	3,236	7,500	1,289
1988	13,923	1,566	20.7	92.5	543	910	12,357	3,218	7,706	1,433
Percent change, number of offenses:										
1979-1988	13.7	29.7	3.6	21.1	13.0	44.6	11.9	-3.3	16.7	28.8
1984-1988	17.2	23.0	10.6	9.8	12.0	32.8	16.5	7.8	16.9	38.8
1987-1988	3.1	5.5	2.9	1.5	4.9	6.4	2.8	-6	2.7	11.2
Rate per 100,000 inhabitants:										
1979	5,566	549	9.7	34.7	218	286	5,017	1,512	2,999	506
1980	5,950	597	10.2	36.8	251	299	5,353	1,684	3,187	502
1981	5,858	594	9.8	36.0	259	290	5,264	1,650	3,140	475
1982	5,604	571	9.1	34.0	239	289	5,033	1,489	3,085	459
1983	5,175	538	8.3	33.7	217	279	4,637	1,338	2,869	431
1984	5,031	539	7.9	35.7	205	290	4,492	1,264	2,791	437
1985	5,207	557	7.9	37.1	209	303	4,651	1,287	2,901	462
1986	5,480	618	8.6	37.9	225	346	4,863	1,345	3,010	508
1987	5,550	610	8.3	37.4	213	351	4,940	1,330	3,081	529
1988	5,664	637	8.4	37.6	221	370	5,027	1,309	3,135	583
Percent change, rate per 100,000 inhabitants:										
1979-1988	1.8	16.1	-13.4	8.4	1.1	29.4	.2	-13.4	4.5	15.3
1984-1988	12.6	18.2	6.3	5.3	7.5	27.6	11.9	3.6	12.3	33.3
1987-1988	2.1	4.5	1.2	.5	3.9	5.4	1.8	-1.5	1.7	10.1

¹ Includes nonnegligent manslaughter.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 284. CRIMES AND CRIME RATES, BY TYPE AND AREA: 1987 AND 1988

[In thousands, except rate. Rate per 100,000 population; see headnote, table 283. Estimated totals based on reports from city and rural law enforcement agencies representing 96 percent of the national population. For definitions of crimes, see text, section 5]

TYPE OF CRIME	1987						1988 ²					
	MSA's ¹		Other cities		Rural areas		MSA's ¹		Other cities		Rural areas	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Total	11,748	6,294	1,115	4,898	646	1,900	12,138	6,428	1,123	4,921	662	1,938
Violent crime	1,344	720	80	351	60	178	1,420	752	85	371	61	180
Murder and nonnegligent manslaughter	17	9	1	5	2	6	18	9	1	4	2	5
Forcible rape	79	42	6	24	6	19	80	43	6	25	6	18
Robbery	501	269	11	50	5	15	525	278	13	55	5	15
Aggravated assault	746	400	62	272	47	139	797	422	65	286	48	141
Property crime	10,404	5,574	1,035	4,548	586	1,723	10,718	5,676	1,039	4,550	600	1,758
Burglary	2,771	1,485	237	1,042	228	670	2,751	1,457	238	1,042	230	672
Larceny-theft	6,428	3,444	751	3,303	321	943	6,621	3,506	753	3,298	332	973
Motor vehicle theft	1,205	646	46	203	37	110	1,346	713	48	210	39	114

¹ For definition, see text, Appendix II. ² Data for 1988 were not available for the States of Florida and Kentucky; therefore, crime counts for those two States were estimated.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

Crime Rates

171

No. 285. CRIME RATES BY STATE, 1985 TO 1988, AND BY TYPE, 1988

[Offenses known to the police per 100,000 population. Based on Bureau of the Census estimated resident population as of July 1, except April 1, 1980 census counts. For definitions of crimes, see text, section 5. For composition of regions, see fig. 1, inside front cover.]

REGION, DIVISION, AND STATE	1985, total	1987, total	1988									
			Violent crime					Property crime				
			Total	Mur- der ¹	Forc- ible rape	Rob- bery	Aggra- vated assault	Total	Bur- glary	Larce- ny— theft	Motor vehi- cle theft	
U.S.	5,207	5,550	5,664	637	8.4	38	221	370	5,027	1,309	3,135	583
Region:												
Northeast	4,627	4,839	5,006	680	7.5	29	299	345	4,325	1,018	2,594	713
Midwest	4,674	4,908	4,873	511	6.4	38	169	297	4,362	1,039	2,877	446
South	5,256	5,893	6,093	646	10.3	40	209	387	5,448	1,583	3,338	526
West	6,405	6,460	6,543	729	8.5	42	225	454	5,814	1,461	3,642	711
N.E.	4,487	4,599	4,730	458	3.8	28	140	286	4,272	1,063	2,542	668
ME	3,672	3,532	3,578	157	3.1	19	26	110	3,420	817	2,399	205
NH	3,252	3,372	3,334	148	2.3	25	21	99	3,186	683	2,278	228
VT	3,888	4,271	4,240	142	2.0	23	16	101	4,098	1,097	2,804	197
MA	4,758	4,734	4,991	620	3.5	32	176	408	4,371	1,061	2,418	893
RI	4,723	5,285	5,204	397	4.1	30	115	247	4,808	1,261	2,718	828
CT	4,705	4,986	5,098	455	5.4	26	188	236	4,642	1,218	2,810	614
M.A.	4,675	4,921	5,100	757	8.8	29	353	365	4,344	1,003	2,612	729
NY	5,589	5,052	6,310	1,097	12.5	31	544	510	5,212	1,218	3,134	860
NJ	5,094	5,261	5,295	583	5.3	34	245	299	4,713	980	2,838	894
PA	3,037	3,163	3,178	362	5.5	25	138	194	2,814	697	1,691	427
E.N.C.	4,939	5,114	5,087	577	7.3	43	200	327	4,510	1,073	2,927	510
OH	4,187	4,575	4,645	452	5.4	43	161	243	4,193	1,031	2,763	399
IN	3,914	4,120	4,150	380	6.4	31	89	254	3,770	935	2,481	353
IL	5,384	5,417	5,621	810	8.6	39	313	451	4,810	1,129	3,076	605
MI	6,366	6,457	6,084	742	10.8	69	241	420	5,343	1,315	3,287	741
WI	4,017	4,169	3,972	214	3.0	20	67	124	3,758	729	2,759	269
W.N.C.	4,046	4,417	4,365	354	4.3	27	96	227	4,010	959	2,758	293
MN	4,134	4,616	4,315	290	2.9	31	95	161	4,025	910	2,776	339
IA	3,943	4,140	4,077	257	1.7	16	40	200	3,820	854	2,803	162
MO	4,366	4,707	4,845	553	8.0	29	168	347	4,292	1,140	2,717	434
ND	2,679	2,633	2,728	59	1.8	11	8	38	2,669	438	2,113	119
SD	2,641	2,678	2,581	114	3.1	27	12	72	2,467	518	1,864	96
NE	3,695	4,132	4,140	273	3.6	24	56	189	3,867	765	2,913	189
KS	4,375	4,904	4,880	365	3.4	31	86	245	4,515	1,178	3,093	243
S.A.	5,375	5,915	6,263	733	10.4	39	246	437	5,530	1,553	3,460	517
DE	4,961	4,939	4,799	452	5.2	74	119	253	4,347	1,041	3,004	303
MD	5,373	5,478	5,705	807	9.7	37	301	459	4,898	1,179	3,047	672
DC ²	8,007	8,452	9,915	1,822	59.5	27	918	918	7,993	1,984	4,617	1,392
VA	3,779	3,959	4,177	299	7.8	27	113	152	3,878	818	2,759	302
WV	2,253	2,191	2,239	131	4.9	19	34	74	2,107	611	1,305	162
NC	4,121	4,650	4,862	502	7.8	28	109	357	4,360	1,391	2,719	250
SC	4,841	5,162	5,412	741	9.3	43	125	564	4,671	1,416	2,950	305
GA	5,110	5,792	6,327	665	11.7	46	244	364	5,661	1,611	3,496	555
FL ³	7,574	8,503	8,938	1,118	11.4	50	403	653	7,820	2,294	4,761	765
E.S.C.	3,651	4,058	4,022	455	8.8	34	118	295	3,567	1,145	2,104	318
KY ³	2,947	3,270	3,135	330	6.2	22	74	227	2,805	826	1,793	186
TN	4,167	4,666	4,469	533	9.4	45	174	305	3,937	1,238	2,156	543
AL	3,942	4,451	4,562	559	9.9	30	118	401	4,003	1,234	2,503	267
MS	3,266	3,439	3,593	325	8.6	36	77	203	3,268	1,281	1,820	166
W.S.C.	5,991	6,901	7,010	618	11.1	44	201	360	6,394	1,882	3,852	660
AR	3,585	4,245	4,220	423	8.7	32	84	298	3,797	1,092	2,492	213
LA	5,564	5,873	5,761	717	11.6	39	209	458	5,043	1,444	3,148	451
OK	5,425	6,026	5,589	435	7.4	38	105	284	5,155	1,643	2,955	556
TX	6,569	7,722	8,018	653	12.1	48	234	358	7,365	2,157	4,406	600
Mt.	6,183	6,161	6,151	480	6.6	38	105	332	5,671	1,330	3,965	375
MT	4,549	4,599	4,267	123	2.6	17	23	81	4,144	704	3,224	216
ID	3,808	4,156	3,973	235	3.6	18	20	193	3,728	870	2,692	176
WY	4,015	4,031	3,967	314	2.5	24	15	272	3,653	659	2,852	142
CO	5,919	6,451	6,178	473	5.7	39	99	330	5,706	1,383	3,901	422
NM	5,486	6,547	6,606	658	11.5	38	103	505	5,948	1,837	3,721	390
AZ	7,116	7,189	7,471	610	8.5	39	137	426	6,881	1,580	4,822	459
UT	5,317	5,619	5,579	243	2.8	24	54	163	5,335	881	4,239	216
NV	6,575	6,371	6,453	781	10.5	74	291	405	5,672	1,545	3,528	599
Pac.	6,486	6,568	6,683	818	9.2	43	268	498	5,865	1,507	3,527	831
WA	6,529	7,017	7,113	466	5.7	57	146	258	6,647	1,856	4,358	433
OR	6,730	6,969	7,059	546	5.1	41	193	307	6,513	1,764	4,154	594
CA	6,518	6,506	6,636	930	10.4	42	306	572	5,706	1,447	3,315	944
AK	5,877	5,378	4,922	523	5.7	58	73	387	4,399	842	3,102	455
HI	5,201	5,818	5,989	257	4.0	32	84	137	5,732	1,256	4,112	364

¹ Includes nonnegligent manslaughter. ² Includes offenses reported by the police at the National Zoo. ³ Data for 1988 were not available for the States of Florida and Kentucky; therefore, it was necessary that their crime counts be estimated.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 286. CRIME RATES, BY TYPE—SELECTED LARGE CITIES: 1988

[Offenses known to the police per 100,000 population, as of July 1. For definitions of crimes, see text, section 5]

CITY RANKED BY POPULATION SIZE, 1986 ¹	Crime Index, total	VIOLENT CRIME					PROPERTY CRIME			
		Total	Mur- der	Forcible rape	Rob- bery	Aggra- vated assault	Total	Burg- lary	Larce- ny- theft	Motor vehi- cle theft
Total, 10,846 agencies	5,876	666	8.9	39	236	382	5,209	1,342	3,243	624
Total, 7,434 cities	7,130	836	10.5	47	318	462	6,295	1,539	3,967	788
Selected cities:										
New York.....	9,780	2,218	25.8	46	1,179	967	7,562	1,731	4,199	1,633
Los Angeles.....	8,676	1,961	21.6	59	770	1,111	6,714	1,489	3,531	1,685
Chicago.....	(*)	(*)	22.0	(*)	968	1,202	7,537	1,739	4,295	1,503
Houston.....	10,311	1,149	25.5	70	582	471	9,163	2,908	4,491	1,763
Philadelphia.....	6,037	1,035	22.4	55	537	421	5,002	1,231	2,544	1,227
Detroit.....	12,085	2,375	57.9	133	1,194	989	9,711	2,958	3,981	2,772
San Diego.....	9,013	854	13.4	36	298	506	8,159	1,634	4,278	2,247
Dallas.....	16,742	2,077	36.0	128	948	964	14,665	4,180	8,092	2,393
San Antonio.....	12,479	564	15.3	57	306	186	11,916	2,957	7,548	1,411
Phoenix.....	9,150	891	11.1	47	265	568	8,259	2,190	5,374	695
Honolulu.....	5,898	261	3.3	34	99	124	5,638	1,170	4,081	387
Baltimore.....	9,186	1,927	30.6	68	968	861	7,239	1,866	4,268	1,105
San Francisco.....	8,757	1,278	12.2	60	646	560	7,479	1,346	4,863	1,270
Indianapolis.....	8,143	1,166	16.3	87	303	760	4,977	1,586	2,640	740
San Jose.....	5,247	641	5.1	60	130	446	4,606	896	3,158	552
Memphis.....	9,143	1,333	26.0	129	667	511	7,810	2,436	3,307	2,067
Washington.....	9,907	1,921	59.5	27	918	918	7,985	1,983	4,610	1,392
Milwaukee.....	8,087	824	13.3	65	345	400	7,263	1,438	4,733	1,092
Boston.....	11,481	2,099	16.0	96	902	1,085	9,381	1,580	4,922	2,879
Columbus.....	9,648	986	11.7	101	515	359	8,662	2,631	5,054	976
New Orleans.....	9,750	1,658	42.4	75	879	662	8,092	2,290	4,002	1,799
Cleveland.....	8,233	1,347	25.2	155	697	470	6,886	2,213	2,841	1,832
Denver.....	15,600	3,179	43.4	144	1,193	1,798	12,421	3,108	7,453	1,861
El Paso.....	10,165	898	6.2	48	217	627	9,266	2,425	5,856	986
Seattle.....	14,384	1,361	11.1	87	536	727	13,023	3,340	8,547	1,136
Nashville-Davidson.....	7,396	1,052	15.7	92	389	556	6,344	1,763	4,020	560
Austin.....	10,841	537	9.2	53	218	257	10,304	2,565	7,286	453
Oklahoma City.....	11,432	906	13.6	86	310	496	10,527	9,338	5,892	1,297
Kansas City.....	11,953	1,858	28.9	106	777	945	10,095	2,987	5,493	1,606
Fort Worth.....	17,155	1,692	22.4	113	720	837	15,463	4,414	8,887	2,162
St. Louis.....	13,456	2,465	32.9	72	782	1,578	10,991	2,950	6,288	1,754
Atlanta.....	17,548	3,576	48.8	162	1,342	2,023	13,972	3,496	6,383	2,093
Long Beach.....	8,379	1,246	14.0	53	640	539	7,133	1,795	3,916	1,422
Portland.....	17,459	2,241	11.6	96	937	1,196	15,218	3,930	9,184	2,104
Pittsburgh.....	8,240	1,063	4.6	60	655	343	7,177	1,923	2,634	2,420
Tulsa.....	9,448	927	9.4	70	270	578	8,522	2,582	4,358	1,582
Cincinnati.....	7,293	847	12.4	78	321	435	6,446	1,550	4,505	390
Albuquerque.....	10,305	1,130	13.0	50	245	822	9,175	2,920	5,540	715
Tucson.....	12,709	920	8.1	73	200	639	11,789	2,148	9,102	539
Oakland.....	12,675	1,645	30.5	135	654	625	11,030	2,981	6,433	1,616
Minneapolis.....	10,968	1,508	15.1	126	703	663	9,460	2,573	5,484	1,402
Charlotte.....	11,870	1,839	12.4	85	522	1,220	10,031	2,862	6,542	627
Omaha.....	6,335	734	7.4	57	188	482	5,601	1,212	4,018	372
Virginia Beach.....	5,439	202	7.6	30	92	72	5,237	1,071	3,936	230
Buffalo.....	7,872	1,319	13.3	91	548	667	6,552	2,281	3,328	943
Sacramento.....	10,322	1,052	20.0	55	473	503	9,269	2,262	5,312	1,696
Newark.....	13,422	3,049	36.0	164	1,386	1,464	10,373	2,008	3,804	4,561

¹ Data for 1988 were not available for Jacksonville and Miami in Florida and Toledo, OH. ² The rates for 1988 for forcible rape, violent crime and crime index total are not shown because the forcible rape figures were not in accordance with national Uniform Crime Reporting guidelines.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

**NO. 287. MURDER CIRCUMSTANCES/MOTIVES AND WEAPONS USED OR CAUSE OF DEATH:
1980 TO 1988**

[Based solely on police investigation. For definition of murder, see text, section 5]

CIRCUMSTANCE	1980	1985	1986	1987	1988	TYPE OF WEAPON OR CAUSE OF DEATH	1980	1985	1986	1987	1988
Murders, total.....	21,860	17,545	19,257	17,963	18,269	Murders, total.....	21,860	17,545	19,257	17,963	18,269
PERCENT DISTRIBUTION						PERCENT DISTRIBUTION					
Felonies, total.....	17.7	17.9	19.4	19.6	18.9	Guns.....	62.4	58.7	59.1	59.1	60.7
Robbery.....	10.8	9.2	9.5	9.4	8.3	Handguns.....	46.0	43.0	43.9	43.7	45.3
Narcotics.....	1.7	2.9	3.9	4.9	5.6	Cutting or stabbing.....	19.3	21.1	20.5	20.3	19.1
Sex offenses.....	1.5	1.5	1.5	3	3	Blunt objects ¹	5.0	5.5	5.7	5.8	6.3
Other felonies.....	3.7	4.3	4.4	5.0	4.7	Personal weapons ²	5.8	6.7	6.8	6.5	6.2
Suspected felonies.....	6.7	2.0	2.0	1.1	1.3	Strangulations, asphyxiations.....	2.3	2.4	2.6	2.6	2.2
Arguments, total.....	39.9	39.3	37.5	36.7	34.3	Fire.....	1.3	1.4	1.2	1.1	1.4
Property or money.....	2.6	2.7	2.4	2.6	2.7	All other ³	3.9	4.2	4.1	4.6	4.1
Romantic triangle.....	2.3	2.3	2.1	2.0	1.7						
Other arguments.....	35.0	34.3	32.9	32.0	29.9						
Other motives.....	20.6	18.1	18.6	17.7	18.9						
Unknown.....	15.1	22.8	22.5	24.9	26.6						

¹ Refers to club, hammer, etc. ² Hands, fists, feet, etc. ³ Includes poison, drowning, explosives, narcotics, and unknown.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 288. HOMICIDE VICTIMS, BY RACE AND SEX: 1960 TO 1987

[**Rates per 100,000 resident population in specified group.** Beginning 1970, excludes deaths to nonresidents of U.S. Beginning 1980, deaths classified according to the ninth revision of the *International Classification of Diseases*; for earlier years, classified according to revision in use at the time; see text, section 2. See also *Historical Statistics, Colonial Times to 1970*, series H 971-978.]

YEAR	HOMICIDE VICTIMS						HOMICIDE RATE*					
	Total ¹	White		Black		Total ¹	White		Black			
		Male	Female	Male	Female		Male	Female	Male	Female		
1960.....	8,464	2,832	1,154	3,345	1,013	4.7	3.6	1.4	36.7	10.4		
1970.....	16,848	5,865	1,938	7,265	1,569	8.3	6.8	2.1	67.6	13.3		
1975.....	21,310	8,222	2,751	8,092	1,929	9.9	9.0	2.9	69.0	14.9		
1980.....	24,278	10,381	3,177	8,365	1,988	10.7	10.9	3.2	66.6	13.5		
1981.....	23,646	9,941	3,125	8,312	1,825	10.3	10.4	3.1	64.8	12.7		
1982.....	22,358	9,260	3,179	7,730	1,743	9.6	9.6	3.1	59.1	12.0		
1983.....	20,191	8,355	2,880	6,822	1,672	8.6	8.6	2.8	51.4	11.3		
1984.....	19,796	8,171	2,956	6,563	1,677	8.4	8.3	2.9	48.7	11.2		
1985.....	19,893	8,122	3,041	6,616	1,666	8.3	8.2	2.9	48.4	11.0		
1986.....	21,731	8,567	3,123	7,634	1,861	9.0	8.6	3.0	55.0	12.1		
1987.....	21,103	7,979	3,149	7,518	1,969	8.7	7.9	3.0	53.3	12.6		

¹ Includes races not shown separately. ² Rate based on enumerated population figures as of April 1 for 1960, 1970, and 1980; July 1 estimates for other years.

Source: U.S. National Center for Health Statistics, *Vital Statistics of the United States*, annual.

NO. 289. FORCIBLE RAPE—NUMBER AND RATE, BY SELECTED CHARACTERISTIC: 1970 TO 1988

[For definition of rape, see text, section 5]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
NUMBER													
Total.....	37,990	56,090	67,610	76,390	82,990	82,500	78,770	78,920	84,230	88,670	91,460	91,110	92,490
By force.....	26,888	41,501	50,590	57,958	63,599	63,038	59,967	61,019	66,367	71,060	73,453	73,456	75,441
Attempt.....	11,102	14,589	17,020	18,432	19,391	19,462	18,803	17,901	17,863	17,610	18,007	17,654	17,049
RATE													
Per 100,000 population.....	18.7	26.3	31.0	34.7	36.8	36.0	34.0	33.7	35.7	37.1	37.9	37.4	37.6
Per 100,000 females.....	30.4	51.3	60.3	67.5	71.6	70.0	66.2	65.6	69.4	72.3	73.9	73.0	73.4
Per 100,000 females 12 years old and over.....	46.3	62.9	72.9	81.4	86.3	84.1	79.3	78.5	83.0	86.6	88.6	87.5	88.1
PERCENT CHANGE IN RATE													
Per 100,000 population.....	(NA)	40.6	5.6	11.9	6.1	-2.2	-5.5	-9	5.7	4.1	2.1	-1.3	.5
Per 100,000 females 12 years old and over.....	(NA)	35.9	5.2	11.6	6.0	-2.5	-5.7	-1.0	5.7	4.3	2.3	-1.2	.7

NA Not available.

Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

Law Enforcement, Courts, and Prisons

NO. 290. ROBBERY AND PROPERTY CRIMES, BY TYPE AND SELECTED CHARACTERISTIC: 1980 TO 1988

[For definition of crime, see text, section 5]

ITEM	NUMBER OF OFFENSES (1,000)					RATE PER 100,000 INHABITANTS					AVERAGE VALUE LOST (dol.)	
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988	1987	1988
Robbery, total¹	566	498	543	518	543	251.1	208.5	225.1	212.7	220.9	631	631
Type of crime:												
Street or highway	293	273	302	282	293	130.1	114.4	125.2	115.8	119.2	492	511
Commercial house	78	60	67	66	65	34.6	25.3	27.8	26.9	28.4	1,017	945
Gas station	23	17	17	16	16	10.4	7.0	6.9	6.4	6.4	321	423
Convenience store	38	29	29	29	35	17.0	12.0	11.9	12.0	14.0	292	344
Residence	60	51	57	54	57	26.8	21.5	23.5	22.2	23.2	796	828
Bank	8	7	7	7	8	3.8	2.8	2.8	3.0	3.2	3,013	2,885
Weapon used:												
Firearm	228	176	186	171	181	101.3	73.6	77.2	70.3	73.7	(NA)	(NA)
Knife or cutting instrument	73	66	73	70	74	32.3	27.7	30.4	28.7	30.1	(NA)	(NA)
Other dangerous weapon	51	46	53	51	57	22.8	19.2	21.8	21.1	23.1	(NA)	(NA)
Strongarm	214	210	231	225	231	94.8	88.0	95.8	92.6	94.0	(NA)	(NA)
Burglary, total	3,785	3,073	3,241	3,236	3,218	1,684.1	1,287.3	1,344.5	1,329.6	1,309.2	975	1,014
Forcible entry	2,789	2,148	2,274	2,272	2,251	1,237.5	899.6	943.4	933.3	915.7	(NA)	(NA)
Unlawful entry	711	688	700	698	702	315.6	280.3	290.3	265.8	285.6	(NA)	(NA)
Attempted forcible entry	295	257	267	269	265	131.0	107.8	110.8	110.5	107.9	(NA)	(NA)
Residence	2,525	2,046	2,185	2,191	2,164	1,120.6	857.0	906.4	900.1	880.4	1,004	1,037
Nonresidence	1,270	1,027	1,056	1,045	1,054	563.5	430.3	438.2	429.5	428.8	914	967
Occurred during the night	1,508	1,177	1,240	1,202	1,171	689.0	493.1	515.3	494.0	476.4	(NA)	(NA)
Occurred during the day	1,263	1,025	1,110	1,128	1,160	560.3	429.2	460.6	463.5	472.0	(NA)	(NA)
Larceny-theft, total	7,137	6,928	7,257	7,500	6,527	3,167.0	2,901.2	3,010.3	3,081.3	3,134.9	404	426
Pocket picking	85	79	84	81	70	37.9	32.9	34.8	33.3	33.6	286	384
Purse snatching	107	83	95	90	78	47.5	35.0	39.6	37.0	38.0	238	228
Shoplifting	773	968	1,072	1,145	983	343.0	405.3	444.8	470.5	471.8	96	104
From motor vehicles	1,231	1,369	1,500	1,581	1,412	546.4	573.3	622.0	649.5	678.1	434	461
Motor vehicle accessories	1,366	1,158	1,207	1,265	1,072	606.2	485.2	500.5	519.6	514.7	288	297
Bicycles	715	566	521	481	370	317.5	237.3	216.2	197.8	177.6	172	188
From buildings	1,187	1,078	1,100	1,096	984	526.9	451.6	456.5	450.4	472.7	665	673
From coin-operated machines	58	60	65	67	60	25.8	24.9	27.0	27.4	29.0	128	144
Other	1,613	1,565	1,612	1,603	1,498	715.7	655.7	688.8	695.7	719.3	591	615
Motor vehicles, total²	1,132	1,103	1,224	1,289	1,433	502.2	462.0	507.8	529.4	582.9	4,964	5,117
Automobiles	845	832	946	995	1,108	374.8	348.5	392.6	408.8	450.6	(NA)	(NA)
Trucks and buses	149	156	166	188	218	66.1	65.4	69.0	77.3	88.7	(NA)	(NA)

NA Not available. ¹ Includes other crimes not shown separately. ² Includes other types of motor vehicles not shown separately.Source: U.S. Federal Bureau of Investigation, *Population-at-Risk Rates and Selected Crime Indicators*, annual.

NO. 291. NUMBER AND RATE OF VICTIMIZATIONS FOR CRIMES AGAINST PERSONS AND HOUSEHOLDS, BY TYPE: 1973 TO 1987

[Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR OR PERIOD	PERSONAL SECTOR						HOUSEHOLD SECTOR					
	Total	Violent crimes			Assault			Larceny-theft	Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape	Robbery	Total	Aggravated	Simple					
NUMBER (1,000)												
1973	20,322	5,951	156	1,108	4,087	1,655	2,432	14,971	15,340	6,459	7,537	1,344
1975	21,867	5,573	154	1,147	4,272	1,631	2,641	16,294	17,400	6,744	9,223	1,433
1978	22,991	5,941	171	1,028	4,732	1,708	3,024	17,050	17,421	6,704	9,352	1,365
1979	22,541	6,159	192	1,116	4,851	1,789	3,082	16,382	18,708	6,685	10,630	1,393
1980	21,430	6,130	174	1,209	4,747	1,707	3,041	15,300	18,821	6,973	10,468	1,381
1981	22,445	6,582	178	1,381	5,024	1,796	3,228	15,863	19,009	7,394	10,176	1,439
1982	22,012	6,459	163	1,334	4,973	1,754	3,219	15,553	17,744	6,663	9,705	1,377
1983	20,561	5,903	154	1,149	4,600	1,517	3,083	14,657	16,440	6,063	9,114	1,264
1984	19,743	5,954	180	1,117	4,657	1,673	2,984	13,789	15,733	5,643	8,750	1,340
1985	19,296	5,823	138	985	4,699	1,605	3,094	13,474	15,568	5,594	8,703	1,270
1986	18,751	5,515	130	1,009	4,376	1,543	2,833	13,293	15,388	5,557	8,455	1,356
1987	19,005	5,661	141	1,030	4,489	1,543	2,946	13,344	15,726	5,628	8,624	1,479
RATE¹												
1973	123.6	32.6	1.0	6.7	24.9	10.1	14.8	91.1	217.8	91.7	107.0	19.1
1975	128.9	32.8	.9	6.8	25.2	9.6	15.6	96.0	236.5	91.7	125.4	19.5
1978	130.5	33.7	1.0	5.9	26.0	9.7	17.2	96.8	223.4	86.0	119.9	17.5
1979	126.4	34.5	1.1	6.3	27.2	9.9	17.3	91.9	235.3	84.1	133.7	17.5
1980	116.3	33.3	.9	6.6	25.8	9.3	16.5	83.0	227.4	84.3	126.5	16.7
1981	120.4	35.3	1.0	7.4	27.0	9.6	17.3	85.1	226.0	87.8	121.0	17.1
1982	116.8	34.3	.8	7.1	26.4	9.3	17.1	82.5	208.2	78.2	113.9	16.2
1983	107.9	31.0	.8	6.0	24.1	8.0	16.2	76.9	189.8	70.0	105.2	14.6
1984	102.8	31.0	.7	5.8	24.3	8.7	15.5	71.8	178.7	64.1	99.4	15.2
1985	99.4	30.7	.7	5.1	24.2	8.3	15.9	69.4	174.4	62.7	97.5	14.2
1986	95.6	28.1	.7	5.1	22.3	7.9	14.4	67.5	170.0	61.5	93.5	15.0
1987	96.1	28.6	.7	5.2	22.7	7.8	14.9	67.5	171.4	61.3	94.0	16.1

¹ Rate per 1,000 persons, 12 years old and over; and per 1,000 households.Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

Criminal Victimization—Characteristics of Crimes

175

NO. 292. CRIMES AGAINST THE ELDERLY—NUMBER AND RATE, BY TYPE: 1973 TO 1987

[Covers persons 65 years old and over. Data based on National Crime Survey; see text, section 5, and Appendix III]

YEAR	PERSONAL SECTOR								HOUSEHOLD SECTOR			
	Total	Violent crimes				Crimes of theft			Total	Burglary	Larceny	Motor vehicle theft
		Total	Rape ¹	Robbery	Assault	Total ²	Purse snatching	Pocket picking				
NUMBER (1,000)												
1973.....	625.8	173.0	2.4	101.3	69.3	452.8	29.8	37.1	1,467.2	748.8	644.8	73.6
1980.....	786.6	165.9	2.8	82.5	80.7	602.7	33.4	56.2	1,826.5	802.1	980.1	64.3
1981.....	752.6	195.1	2.7	99.3	93.1	557.5	21.1	51.6	2,109.6	921.1	1,077.2	111.3
1982.....	738.7	146.3	1.5	68.0	76.8	592.4	34.0	45.6	1,744.3	709.4	946.4	88.5
1983.....	741.6	144.3	1.4	63.9	76.9	597.3	32.8	53.8	1,695.1	754.2	880.2	80.7
1984.....	660.1	128.7	1.4	57.5	69.8	531.4	21.9	42.9	1,622.1	669.5	851.6	101.0
1985.....	627.6	122.7	1.5	42.8	78.4	504.9	14.1	57.8	1,455.7	609.5	758.4	87.8
1986.....	639.2	124.8	—	46.1	78.7	514.4	19.4	49.4	1,477.4	628.4	767.9	81.1
1987.....	683.2	154.9	1.8	51.8	101.4	528.3	30.9	46.2	1,535.5	637.5	789.2	108.8
RATE ³												
1973.....	30.7	8.5	.1	5.0	3.4	22.2	1.5	1.8	107.9	55.1	47.4	5.4
1980.....	31.4	6.8	.1	3.4	3.3	24.6	1.4	2.3	109.8	48.2	57.7	3.9
1981.....	30.1	7.8	.1	4.0	3.7	22.3	.8	2.1	124.2	54.2	63.4	6.6
1982.....	28.9	5.7	.1	2.7	3.0	23.2	1.3	1.8	100.5	40.9	54.5	5.1
1983.....	28.4	5.5	.1	2.5	3.0	22.9	1.3	2.1	94.8	42.2	48.1	4.5
1984.....	24.9	4.9	.1	2.2	2.6	20.0	.8	1.6	88.4	36.5	46.4	5.5
1985.....	23.1	4.5	.1	1.6	2.9	18.6	.5	2.1	78.1	32.7	40.7	4.7
1986.....	23.0	4.5	—	1.7	2.8	18.5	.7	1.8	78.2	33.3	40.6	4.3
1987.....	24.1	5.5	.1	1.8	3.6	18.6	1.1	1.6	80.0	33.2	41.1	5.7

¹ Represents zero or rounds to zero. ² Yearly estimates are based on fewer than 10 sample cases. ³ Includes personal thefts without contact not shown separately. ⁴ Rate per 1,000 persons 65 years old and over; and per 1,000 households headed by persons 65 years old and over.

Source: U.S. Bureau of Justice Statistics, *Crime and the Elderly*, December 1981 and unpublished data.

NO. 293. VICTIMIZATION RATES FOR CRIMES AGAINST PERSONS: 1973 TO 1987

[Rates per 1,000 persons, 12 years old and over. Includes attempted crimes. Data based on National Crime Survey; see text, section 5, and Appendix III. Totals exclude personal larceny]

YEAR AND CRIME	Total ¹	MALE			FEMALE			VICTIM-OFFENDER RELATIONSHIP				
		White	Black	Hispanic ²	White	Black	Hispanic ²	White	Black	Hispanic ²	Stranger	Non-stranger
1973.....	33	32	42	36	43	53	53	21	32	22	22	11
1980.....	33	32	41	40	43	53	54	22	31	27	21	12
1981.....	35	33	50	39	44	61	53	23	40	26	23	12
1982.....	34	33	44	40	42	57	49	25	33	32	22	12
1983.....	31	30	41	38	39	50	48	21	33	29	18	13
1984.....	31	30	41	35	38	51	45	22	33	26	17	14
1985.....	30	29	38	30	38	47	33	21	31	27	18	12
1986.....	28	28	33	27	35	39	39	21	29	15	16	12
1987.....	29	27	40	39	35	49	44	20	32	35	16	12

¹ Includes races not shown separately. ² Hispanic persons may be of any race.

Source: 1973, U.S. Law Enforcement Administration; thereafter, U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

NO. 294. CRIME INCIDENTS BY PLACE AND TIME OF OCCURRENCE AND INJURY: 1987

INCIDENT CHARACTERISTICS	Rape	ROBBERY			ASSAULT			Personal larceny with contact
		Total	Completed	Attempted	Total	Aggravated	Simple assault	
Incidents, total.....	134,880	946,030	622,480	323,550	3,951,210	1,283,490	2,667,720	479,490
PERCENT DISTRIBUTION								
Place of occurrence:								
Inside own home.....	40.5	18.4	20.8	13.6	14.4	12.9	15.2	11.3
Near own home.....	15.2	10.8	11.7	9.1	12.1	13.9	11.2	5.2
On public transportation, inside station.....	3.1	3.2	3.2	1.3	.5	1.8	1.3	12.7
On the street.....	13.4	33.9	33.7	34.3	19.1	20.5	18.4	27.4
In parking lot.....	5.0	10.1	9.6	11.0	9.2	9.6	8.9	6.4
In park, field, or playground.....	1.2	2.3	1.0	1.4	3.4	4.8	2.7	1.8
Inside school, on school property.....	1.3	3.9	3.6	1.4	10.8	5.9	13.1	6.4
Friend's, relative's, or neighbor's home.....	17.6	7.7	7.4	8.2	11.3	15.5	9.3	4.4
Other location.....	13.9	12.0	19.8	16.0	22.7	21.0	23.5	36.2
Time of occurrence:								
Daytime (6 a.m.-6 p.m.).....	32.4	40.6	42.0	37.7	49.1	44.4	51.4	61.8
Nighttime.....	67.6	58.7	57.1	61.7	50.2	55.2	47.8	37.3
Percent of incidents:								
Involving the presence of a weapon.....	30.0	46.4	(NA)	(NA)	30.6	94.2	(X)	(NA)
Resulting in victim injury.....	(NA)	36.2	41.9	28.7	29.9	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹ Estimate based on about ten or fewer sample cases.

Source: U.S. Bureau of Justice Statistics, *Criminal Victimization in the United States*, annual.

No. 295. HOUSEHOLDS TOUCHED BY CRIME, 1981 AND 1988, AND BY CHARACTERISTIC, 1988

[A household is considered "touched by crime" if during the year it experienced a burglary, auto theft or household theft or if a household member was raped, robbed, or assaulted, or a victim of personal theft, no matter where the crime occurred. Data based on the National Crime Survey; see text, section 5, and Appendix III]

TYPE OF CRIME	1981		1988, prel.					
	Number (1,000)	Percent touched	Number (1,000)	Percent touched				
				Total	White	Black	Urban	Suburban
Total	24,863	30.0	22,844	24.6	23.9	29.0	30.3	23.3
Violent crime	4,850	5.9	4,482	4.8	4.6	6.6	6.4	4.4
Rape	165	.2	141	.2	.1	.4	.3	.1
Robbery	1,117	1.3	872	.9	.8	2.0	1.7	.7
Assault	3,690	4.7	3,676	4.0	3.9	4.6	4.7	3.8
Theft	17,705	21.4	16,182	17.4	17.3	18.2	21.0	17.3
Burglary	6,101	7.4	5,049	5.4	5.1	8.1	7.0	4.7
Motor vehicle theft	1,285	1.6	1,431	1.5	1.3	2.9	2.2	1.6

¹ Includes other races not shown separately. ² Types of crime will not add to "total" since each household may report as many crime categories as experienced.

Source: U.S. Bureau of Justice Statistics, *Households Touched by Crime*, annual.

NO. 296. REPORTED CHILD NEGLECT AND ABUSE CASES, BY DIVISION: 1980 TO 1987

[Represents total number of child maltreatment reports documented within the States, including substantiated and unsubstantiated reports. Derived from data provided by State child protective services personnel to the National Study on Child Neglect and Abuse Reporting, conducted by The American Association for Protecting Children, a division of The American Humane Association, and funded through the National Center on Child Abuse and Neglect, OHDS, DHHS. Also, the figures embody the variation among States with respect to whether they use individual child reports or reports which indicate all involved children in the family. For composition of divisions, see fig. I, inside front cover]

YEAR	U.S., total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mount- ain	Pacific
Total number of reports (1,000):										
1980	785.1	48.3	91.8	105.3	77.7	154.5	58.2	69.7	37.7	141.8
1981	846.2	39.0	101.9	110.5	85.7	174.8	66.1	88.4	37.3	142.5
1982	924.1	49.9	105.5	126.0	96.8	182.1	75.4	95.8	41.5	151.0
1983	1,001.4	58.5	101.0	141.8	93.8	228.5	62.3	103.0	49.5	163.3
1984	1,155.6	55.2	145.6	182.7	107.9	205.4	93.0	116.0	60.0	189.8
1985	1,299.4	59.9	152.2	208.7	107.7	225.0	121.6	128.3	77.6	218.4
1986	1,197.4	95.8	226.1	313.5	207.9	289.2	123.6	186.1	96.9	416.3
1987	2,025.2	99.8	242.5	334.6	180.6	293.4	127.5	174.9	128.2	443.7
Reports per 1,000 population:										
1980	3.5	3.9	2.5	2.5	4.5	4.2	4.0	2.9	3.3	4.4
1981	3.7	3.1	2.8	2.6	5.0	4.6	4.5	3.6	3.2	4.4
1982	4.0	4.0	2.9	3.0	5.6	4.8	5.1	3.8	3.4	4.6
1983	4.3	4.7	2.7	3.4	5.4	5.9	4.2	4.0	4.0	4.8
1984	4.9	4.4	3.9	4.4	6.2	5.2	6.2	4.4	4.8	5.5
1985	5.4	4.7	4.1	5.0	6.1	5.6	8.0	4.8	6.1	6.2
1986	8.2	7.5	6.1	7.5	11.8	7.3	8.1	7.0	7.6	11.7
1987	8.3	7.8	6.5	8.0	10.2	7.0	8.3	6.5	9.7	12.1

Source: American Humane Association, Denver, CO, *National Analysis of Official Child Neglect and Abuse Reporting*, annual; and unpublished data.

NO. 297. CHILD MALTREATMENT CASES REPORTED—SUMMARY: 1976 TO 1986

[In percent, except as indicated. Total number of children reported is generally a duplicate count in that a child may be reported and therefore enumerated more than once each year. Because of differences in enumeration methods, a relatively small number of States (5 to 10) can provide only unduplicated reports, whereas most states provide only duplicated counts]

ITEM	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Number of children reported (1,000):	669	638	836	988	1,154	1,225	1,262	1,477	1,727	1,928	2,086
Rate per 10,000 children	101	128	129	154	181	194	201	236	273	306	328
Type of maltreatment:											
Deprivation of necessities	70.7	64.0	62.9	63.1	60.7	59.4	62.5	58.4	54.6	53.6	54.9
Minor physical injury	18.9	20.8	21.2	15.4	19.8	20.4	16.8	18.5	17.7	17.8	13.9
Sexual maltreatment	3.2	6.1	6.6	5.8	6.8	7.5	6.9	8.5	13.3	13.8	15.7
Emotional maltreatment	21.6	25.4	23.8	14.9	13.5	11.9	10.0	10.1	11.2	11.5	8.3
Other maltreatment	11.2	11.6	11.3	15.8	14.7	19.0	16.3	16.7	16.5	13.8	21.6
Characteristics of child involved:											
Age, average (years)	7.7	7.6	7.4	7.5	7.3	7.2	7.1	7.1	7.2	7.2	7.2
Sex: Male	50.0	49.9	49.4	49.5	49.8	49.2	49.5	48.9	48.0	47.6	47.5
Female	50.0	50.1	50.6	50.5	50.2	50.5	50.5	51.1	52.0	52.4	52.5
Characteristics of perpetrator:											
Age, average (years)	32.3	31.7	31.7	32.0	31.4	33.8	31.2	31.3	31.5	31.6	31.7
Sex: Male	39.0	39.2	39.0	38.1	41.2	39.3	38.6	40.4	43.0	44.4	44.1
Female	61.0	60.8	61.0	61.9	58.8	60.7	61.4	59.6	57.0	55.9	55.9

Source: American Humane Association, Denver, CO, *National Study on Child Neglect and Abuse Reporting*, annual.

Persons Arrested—Drug Use

177

NO. 298. PERSONS ARRESTED, BY CHARGE, SEX, AND AGE: 1988

[Represents arrests (not charges) reported by 9,970 agencies (reporting 12 months) with a total 1988 population of 189 million as estimated by FBI]

CHARGE	Total (1,000)	PERCENT DISTRIBUTION							
		Male	Under 15 yr.	Under 18 yr.	18-24 yr.	25-44 yr.	45-54 yr.	55-64 yr.	65 yr. and over
Total arrests	10,150	86.2	5.2	16.1	30.7	45.7	4.7	1.9	.8
Serious crimes¹	2,123	78.7	11.1	28.2	29.1	37.2	3.3	1.4	.8
Murder and nonnegligent manslaughter	16	87.8	1.2	10.8	34.5	45.8	5.1	2.3	1.4
Forcible rape	28	98.8	4.8	14.5	29.0	49.6	4.6	1.7	.7
Robbery	111	91.5	5.8	21.9	36.9	39.4	1.4	.3	.1
Aggravated assault	304	86.6	3.7	12.7	27.9	51.3	5.4	1.9	.8
Burglary ²	332	91.6	12.8	33.5	33.6	31.0	1.4	.4	.1
Larceny—theft	1,163	69.5	13.2	30.2	26.9	36.3	3.7	1.8	1.1
Motor vehicle theft	153	89.9	10.4	40.1	32.4	25.9	1.2	.3	.1
Arson	15	86.9	28.4	42.9	20.5	30.6	3.9	1.7	.5
All other nonserious crimes:									
Other assaults	688	84.7	5.2	14.2	28.3	50.7	4.6	1.6	.6
Forgery and counterfeiting	73	66.1	1.3	6.3	35.6	51.9	3.2	.8	.2
Fraud	261	55.0	1.8	4.7	26.7	60.6	5.7	1.6	.7
Embezzlement	12	62.1	.9	6.1	35.9	49.4	5.1	1.2	.3
Stolen property ³	125	88.2	6.4	25.1	36.5	35.0	2.4	.8	.2
Vandalism	226	89.1	19.4	39.9	28.0	29.2	1.9	.7	.3
Weapons (carrying, etc.)	163	92.3	4.2	16.5	33.5	42.8	4.6	1.9	.7
Prostitution and commercialized vice	79	31.6	.2	1.8	35.2	58.8	2.7	1.0	.4
Sex offenses	78	92.7	8.0	16.1	22.0	48.9	7.3	3.8	1.9
Drug abuse violations	850	84.5	1.2	9.1	36.2	51.6	2.4	.6	.1
Gambling	18	84.6	.7	4.3	13.4	46.1	18.5	12.1	.5
Offenses against family and children	51	82.7	1.4	4.6	24.8	63.0	5.6	1.4	.5
Driving while intoxicated	1,294	88.1	(Z)	1.4	26.5	58.8	8.4	3.7	1.2
Liquor laws	492	81.8	1.8	25.2	53.3	17.7	2.3	1.1	.4
Drunkenness	606	90.7	.3	3.0	23.4	56.1	10.2	5.4	1.9
Disorderly conduct	574	81.8	4.5	15.5	34.0	43.8	4.3	1.7	.7
Vagrancy	29	88.3	2.2	8.4	24.5	53.3	8.8	3.7	1.3
Suspicion	11	84.7	6.4	18.6	27.0	48.7	3.4	1.0	.4
Curfew, loitering (juveniles)	55	73.0	27.9	100.0	(X)	(X)	(X)	(X)	(X)
Runaways (juveniles)	125	44.4	40.8	100.0	(X)	(X)	(X)	(X)	(X)
All other offenses, except traffic	2,217	83.9	3.1	11.0	32.7	49.5	4.5	1.6	.7

X Not applicable. Z Less than .05 percent. ¹ Includes arson arrests, a newly established index offense in 1979.

² Breaking or entering. ³ Buying, receiving, possessing. ⁴ Excludes forcible rape and prostitution, shown separately.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 299. DRUG USE AMONG PERSONS ARRESTED—PERCENT TESTING POSITIVE, BY SEX AND SELECTED CITY: 1988 AND 1989

[Based on the Drug Use Forecasting System, which measures drug use among persons arrested for primarily serious nondrug crimes. The program obtains voluntary, confidential urinalysis specimens from a new sample of arrestees each quarter]

CITY	MALES					FEMALES				
	Jan.- Mar. 1988	Apr.- June 1988	July- Sept. 1988	Oct.- Dec. 1988	Jan.- Mar. 1989	Jan.- Mar. 1988	Apr.- June 1988	July- Sept. 1988	Oct.- Dec. 1988	Jan.- Mar. 1989
Birmingham, AL	(NA)	(NA)	75	70	(NA)	(NA)	(NA)	48	65	(NA)
Chicago, IL	75	81	85	78	(NA)	76	78	(NA)	(NA)	(NA)
Cleveland, OH	(NA)	(NA)	(NA)	68	66	(NA)	(NA)	(NA)	(NA)	(NA)
Dallas, TX	(NA)	72	69	57	67	(NA)	71	69	56	44
Detroit, MI	68	66	(NA)	69	68	(NA)	(NA)	(NA)	(NA)	(NA)
Ft. Lauderdale, FL	71	(NA)	62	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Houston, TX	61	69	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Indianapolis, IN	(NA)	54	(NA)	(NA)	50	(NA)	(NA)	(NA)	(NA)	47
Kansas City, MO	(NA)	(NA)	(NA)	54	60	(NA)	(NA)	(NA)	70	73
Los Angeles, CA	74	77	73	(NA)	(NA)	79	76	72	(NA)	(NA)
Miami, FL	(NA)	(NA)	75	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Orleans, LA	58	75	73	75	66	60	52	54	56	65
New York, NY	82	90	(NA)	78	80	83	82	(NA)	76	78
Omaha, NE	(NA)	(NA)	57	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Philadelphia, PA	(NA)	(NA)	79	82	79	(NA)	(NA)	82	77	80
Phoenix, AZ	67	66	59	57	59	65	67	54	54	77
Portland, OR	75	76	76	70	54	79	78	82	77	69
St. Louis, MO	(NA)	(NA)	(NA)	56	64	(NA)	(NA)	(NA)	45	53
San Antonio, TX	(NA)	(NA)	63	(NA)	51	(NA)	(NA)	51	(NA)	45
San Diego, CA	79	82	83	80	85	87	80	78	80	83
Washington, DC	67	63	(NA)	68	72	76	(NA)	(NA)	75	87

NA Not available.

Source: U.S. National Institute of Justice, *Drug Use Forecasting*, quarterly.

NO. 300. DRUG ARREST RATES FOR DRUG ABUSE VIOLATIONS, 1980 TO 1988, AND BY SEX AND REGION, 1988

[Rate per 100,000 inhabitants. Based on Bureau of the Census estimated resident population as of July 1, except 1980, enumerated as of April 1. For composition of regions, see fig. I, inside front cover]

OFFENSE	1980	1985	1987	1988						
				Total	Male	Female	North-east	Mid-west	South	West
Drug arrests, total.....	256.0	346.2	400.9	449.9	779.3	137.1	611.7	267.1	376.1	597.9
Sale and/or manufacture.....	57.9	82.0	103.6	123.9	216.7	35.8	213.8	81.8	100.9	124.3
Heroin or cocaine ¹	10.8	27.8	56.7	74.8	130.8	21.6	168.2	22.0	51.4	83.8
Marijuana.....	28.4	36.4	28.1	25.4	45.4	6.5	33.3	18.5	26.2	25.3
Synthetic or manufactured drugs.....	2.8	2.6	3.5	3.6	6.0	1.3	4.9	1.6	5.8	1.8
Other dangerous nonnarcotic drugs.....	15.9	15.2	15.3	20.1	34.5	6.4	7.4	39.8	17.5	13.4
Possession.....	198.1	264.1	297.2	326.0	562.7	101.3	397.9	185.2	275.2	473.6
Heroin or cocaine ¹	22.2	74.4	126.2	153.7	258.7	53.9	224.8	43.1	93.3	283.3
Marijuana.....	146.2	156.1	133.8	130.1	235.0	30.4	147.5	113.4	150.7	107.7
Synthetic or manufactured drugs.....	6.7	5.6	7.0	8.5	13.9	3.3	9.8	4.1	15.0	3.6
Other dangerous nonnarcotic drugs.....	23.0	28.1	30.3	33.9	55.0	13.8	15.8	24.6	16.2	78.9

¹ Includes other derivatives such as morphine, heroin, and codeine.

Source: U.S. Federal Bureau of Investigation, *Crime in the United States*, annual.

NO. 301. DRUG REMOVALS, LABORATORY SEIZURES, AND PERSONS INDICTED, BY DEA: 1984 TO 1988

[Represents domestic drug removals. 1 kg=.454 lbs; du=dosage unit. Minus sign (-) indicates decrease]

ITEM	Unit	1984	1985	1986	1987	1988	PERCENT CHANGE				
							1984- 85	1985- 86	1986- 87	1987- 88	
Domestic drug removals:											
Heroin.....	kg.....	346	447	382	382	826	29.2	-14.5	-	116.2	
Cocaine.....	kg.....	11,742	18,129	26,954	37,405	56,980	54.4	49.4	38.7	52.3	
Cannabis (Marijuana)	1,000 kg.....	1,400	745	711	649	537	46.8	10.9	-8.7	-17.3	
Dangerous drugs.....	mil. du.....	14	26	32	34	109	88.5	78.0	6.2	220.6	
Clandestine laboratory seizures.....	Number.....	290	338	509	682	810	16.6	50.6	34.0	18.8	
Narcotic Title III intercepts.....	Number.....	83	136	79	93	129	63.9	-37.5	17.7	38.7	
Asset removals:											
Total seizures.....	\$1,000.....	150,975	246,344	401,415	504,397	661,820	63.2	61.1	25.7	31.2	
DEA seizures.....	\$1,000.....	92,545	171,888	310,730	402,071	477,550	85.7	79.6	29.4	18.8	
Seizures through interagency cooperation.....	\$1,000.....	58,431	74,456	90,684	102,308	184,270	27.4	18.5	12.8	80.1	
Arrests.....	Number.....	13,126	15,727	18,687	21,869	23,991	19.8	18.9	17.3	9.7	
Convictions.....	Number.....	10,809	10,519	12,028	12,427	13,455	-2.7	15.5	3.7	8.3	
Number of persons indicted.....	Number.....	6,442	9,279	11,454	12,540	(NA)	44.0	23.4	9.5	-	

- Represents zero. NA Not available.

Source: Drug Enforcement Administration (DEA), *Annual Statistical Report*.

NO. 302. AUTHORIZED INTERCEPTS OF COMMUNICATION—SUMMARY: 1970 TO 1988

[Data for jurisdictions with statutes authorizing or approving interception of wire or oral communication]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Jurisdictions: ¹													
With wiretap statutes.....	19	24	24	26	28	29	29	31	31	32	32	33	34
Reporting interceptions.....	12	18	20	20	22	22	22	20	24	22	24	22	23
Intercept applications authorized.....	596	701	570	553	564	589	578	648	801	784	754	673	738
Intercept installations.....	582	676	560	533	524	562	518	602	773	722	676	634	678
Federal.....	179	106	81	87	79	106	129	205	277	235	247	233	286
State.....	403	570	479	445	445	456	389	397	496	487	429	401	392
Intercepted communications, avg. ²	656	654	738	866	1,058	848	1,082	1,107	1,209	1,320	1,328	1,299	1,251
Incriminating.....	296	305	205	252	315	190	209	229	298	275	253	230	316
Persons arrested ³	1,874	2,234	1,825	1,717	1,871	1,735	1,725	1,716	2,303	2,469	2,410	2,226	2,486
Convictions ³	151	336	337	368	259	248	453	521	649	660	761	506	543
Major offense specified:													
Gambling.....	325	408	241	204	199	156	150	157	186	206	189	135	126
Drugs.....	127	178	195	250	282	318	333	360	483	434	348	379	435
Homicide and assault.....	21	16	25	29	13	33	31	31	30	25	34	18	14
Other.....	123	99	109	70	70	82	64	100	102	119	183	141	163

¹ Jurisdictions include Federal Government, States, and beginning 1975, District of Columbia. ² Average per authorized installation. ³ Based on information received from intercepts installed in year shown; additional arrests/convictions will occur in subsequent years but are not shown here.

Source: Administrative Office of the U.S. Courts, *Report on Applications for Orders Authorizing or Approving the Interception of Wire, Oral or Electronic Communications*, (Wiretap Report), annual.

Aliens Expelled—Border Patrol—Amnesty Program

179

NO. 303. ALIENS EXPelled AND IMMIGRATION VIOLATIONS: 1970 TO 1988

[For fiscal years ending in year shown. See text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series C 144, C 149, and C 158-160]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Aliens expelled		1,630	320	679	736	824	944	931	1,067	1,612	1,117
Deported		1,000	17	23	17	14	17	21	23	23	23
Entry without inspection or by false statements	Percent		47.6	70.5	84.0	81.4	79.6	80.8	80.8	79.7	71.7
Required to depart		1,000	303	656	719	810	927	913	1,046	1,589	1,094
Prosecutions disposed of	Number	6,034	14,172	14,863	14,138	16,493	17,980	17,688	23,405	18,894	18,360
Immigration violations	Number	5,510	13,947	14,498	13,712	15,848	16,989	16,976	22,751	18,200	17,590
Nationality violations	Number	524	225	365	426	645	991	712	654	694	770
Convictions	Number	5,497	12,811	12,935	10,320	11,233	10,546	9,833	15,259	11,996	12,208
Immigration violations	Number	4,991	12,676	12,678	10,058	10,947	10,237	9,835	15,104	11,786	11,929
Nationality violations	Number	506	135	257	262	286	309	198	155	210	279

NO. 304. IMMIGRATION BORDER PATROL AND INVESTIGATION ACTIVITIES: 1980 TO 1988

[In thousands, except as indicated. For fiscal years ending in year shown. See text, section 9]

ITEM	1980	1985	1987	1988	ITEM	1980	1985	1987	1988
BORDER PATROL									
Border patrol agents:					Conveyances examined ...	3,849	4,901	7,033	9,479
Authorized (number)	2,484	3,226	4,812	4,812	Automobiles	2,590	3,468	5,288	6,578
On duty (number)	2,329	3,023	3,180	4,074	Persons questioned ³	10,844	13,490	18,527	20,050
Border patrol obligations (\$1,000)	82,534	141,902	194,624	205,276	In automobiles	6,328	8,093	12,666	14,507
Persons apprehended ¹	766.6	1,272.4	1,168.9	980.5	Pedestrians.....	1,706	2,063	2,022	1,765
Deportable aliens located ²	759.4	1,262.4	1,159.0	971.1	Number of seizures	1,920	7,827	7,512	6,643
Mexican	734.2	1,218.7	1,124.6	929.9	Value of seizures (\$1,000)	116,115	138,795	610,890	721,214
Canadian	5.3	5.9	4.8	4.2	Narcotics (\$1,000)	110,272	119,056	582,411	700,524
Other	19.9	37.8	29.6	37.0	INVESTIGATION				
Aliens located:					Deportable aliens located	150.9	83.9	31.5	37.0
Previously expelled	211.0	372.0	336.4	287.8	Mexican	83.3	48.3	15.0	19.9
Previous criminal record	11.3	9.8	15.1	16.6	Canadian	1.5	1.1	.4	.4
					Other	66.1	34.5	16.1	16.7

¹ Covers deportable aliens located and U.S. citizens engaged in smuggling or other immigration violations. ² Beginning 1987, includes apprehension by the antismuggling unit. ³ Includes types not shown separately.

Source of tables 303 and 304: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual; and unpublished data.

NO. 305. ALIEN AMNESTY PROGRAM—ALIENS APPLYING FOR TEMPORARY RESIDENCY, BY SELECTED CHARACTERISTIC OF THE ALIEN: 1988

[Preliminary. Represents applications filed as of January 27, 1989 under the provisions of the Immigration Reform and Control Act of 1986. Applicants may apply under two provisions of the Act—those who have continuously resided in the United States since January 1, 1982 under the pre-1982 provisions, and those who have worked on perishable crops under Special Agricultural Worker provisions]

CHARACTERISTIC	PRE-1982 PROVISIONS		SPECIAL AGRICULTURAL WORKERS		CHARACTERISTIC	PRE-1982 PROVISIONS		SPECIAL AGRICULTURAL WORKERS	
	Number (1,000)	Per- cent	Number (1,000)	Per- cent		Number (1,000)	Per- cent	Number (1,000)	Per- cent
Total applicants ¹	1,767.0	100.0	1,287.8	100.0	Selected country of citizenship:				
Under 15 years old	136.6	7.7	2.7	.2	Mexico	1,233.3	69.8	1,054.1	81.9
15-19 years old	141.4	8.0	118.0	9.2	El Salvador	145.6	8.2	27.8	2.2
20-24 years old	234.7	13.3	384.2	29.8	Guatemala	53.1	3.0	19.1	1.5
25-29 years old	349.2	19.8	288.1	22.4	Colombia	26.5	1.5	6.4	.5
30-34 years old	335.2	19.0	191.0	14.8	Philippines	19.2	1.1	8.8	.7
35-39 years old	227.6	12.9	117.7	9.1	Dominican Republic	18.0	1.0	9.1	.7
40-44 years old	137.8	7.8	76.9	6.0	Haiti	16.0	.9	48.1	3.8
45-64 years old	184.4	10.4	105.5	8.2	Nicaragua	16.1	.9	8	.1
65 years old and over	19.8	1.1	3.5	.3	Poland	15.0	.8	.6	(2)
Median age (years)	30.3	(x)	27.4	(x)	Jamaica	13.0	.7	6.8	.5
Male	1,005.5	56.9	1,070.1	83.1	India	3.9	.2	18.8	1.5
Female	761.4	43.1	217.6	16.9	Selected State of residence:				
Marital status:					California	967.4	54.7	691.5	53.7
Single	860.7	48.7	687.4	53.4	Texas	314.2	17.8	131.0	10.2
Married	732.3	41.4	541.8	42.1	New York	120.8	6.8	46.5	3.6
Other	174.0	9.8	58.6	4.6	Illinois	118.0	6.7	31.3	2.4
					Florida	48.1	2.7	120.2	9.3
					New Jersey	28.1	1.6	11.7	.9
					Arizona	27.4	1.5	51.1	4.0
					New Mexico	17.1	1.0	12.7	1.0
					Washington	8.7	.5	26.7	2.1

X Not applicable. Z Less than .05 percent. ¹ Includes a small number of unknown or not reported cases for which age and sex data were not recorded.

Source: U.S. Immigration and Naturalization Service, *Provisional Legalization Application Statistics, January 27, 1989*.

NO. 306. LAW ENFORCEMENT OFFICERS KILLED, BY DIVISION, OR ASSAULTED, BY TYPE OF WEAPON USED: 1975 TO 1988

[Covers officers killed feloniously and accidentally in line of duty; includes Federal officers. 1988 excludes Florida and Kentucky. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series H 967-998.]

ITEM	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
OFFICERS KILLED										
Total killed	¹ 185	² 185	³ 157	⁴ 164	⁵ 152	147	⁶ 148	133	148	⁷ 155
Northeast	28	31	17	17	20	21	19	15	24	17
Midwest	40	23	29	41	26	22	23	20	31	18
South	71	72	80	75	64	69	64	63	51	77
West	36	32	27	27	34	32	29	29	40	39
Puerto Rico	8	6	3	3	6	3	10	6	2	1
ASSAULTS										
Population (1,000) ⁸	151,927	182,288	177,836	176,563	198,341	195,794	198,935	196,030	190,025	186,418
Number of—										
Agencies represented	7,435	9,235	9,019	8,829	9,908	10,002	9,906	9,755	8,957	8,866
Police officers	290,638	345,554	332,856	319,101	377,620	372,268	389,808	380,249	378,977	369,743
Total assaulted	⁹ 44,867	¹⁰ 57,847	¹¹ 57,116	¹² 55,775	¹³ 62,324	¹⁴ 60,153	¹⁵ 61,724	¹⁶ 64,269	¹⁷ 63,842	¹⁸ 58,752
Firearm	3,282	3,295	3,330	2,642	3,067	2,654	2,793	2,852	2,789	2,759
Knife or cutting instrument	1,287	1,653	1,733	1,452	1,829	1,662	1,715	1,614	1,561	1,367
Other dangerous weapon	4,516	5,415	4,800	4,879	5,527	5,148	5,263	5,721	5,685	5,573
Hands, fists, feet, etc.	35,782	47,484	47,253	46,802	51,901	50,689	51,953	54,072	53,807	49,053

¹ Includes one officer each in Virgin Islands and Guam. ² Includes one officer in Virgin Islands. ³ Includes one officer in American Samoa. ⁴ Includes one officer in Mariana Islands. ⁵ Includes one officer each in Guam and Mariana Islands. ⁶ Includes one officer in Guam and 2 in foreign locations. ⁷ Includes one officer in American Samoa and 2 in foreign locations. ⁸ Represents the number of persons covered by agencies shown.

Source: U.S. Federal Bureau of Investigation, *Law Enforcement Officers Killed and Assaulted*, annual.

NO. 307. CRIMINAL JUSTICE SYSTEM—PUBLIC EXPENDITURES AND EMPLOYMENT, BY ACTIVITY AND LEVEL OF GOVERNMENT: 1971 TO 1985

[Based on a sample survey of local governments. Data for State governments were compiled from State financial records and for the Federal Government from the *Budget of the United States Government, Fiscal Year 1987*. No data were collected for period of 1980 to 1984]

TYPE OF GOVERNMENT AND YEAR	Total	Percent change ¹	ACTIVITY					
			Police protection	Judicial	Legal services	Public defense	Corrections	Other justice
TOTAL EXPENDITURES² (mil. dol.)								
All governments: ³								
1971	10,517	(NA)	6,165	1,358	491	129	2,291	83
1979	26,028	147.5	13,917	3,381	1,650	597	6,040	443
1985	45,607	75.2	22,014	5,780	3,236	1,055	13,034	489
Federal government:								
1971	1,448	(NA)	805	134	89	61	121	239
1979	4,066	180.8	2,059	370	276	240	393	728
1985	5,819	43.1	2,768	852	804	343	779	274
State and local government: ⁴								
1971	9,302	(NA)	5,361	1,224	403	67	2,180	66
1979	22,649	143.5	11,864	3,012	1,384	357	5,686	346
1985	39,923	76.3	19,246	4,928	2,432	711	12,328	278
State government:								
1971	2,921	(NA)	932	327	109	17	1,387	148
1979	8,463	189.7	2,150	1,318	455	128	3,824	588
1985	16,013	89.2	3,511	2,262	800	298	8,884	259
Local government:								
1971	6,663	(NA)	4,489	912	295	51	885	20
1979	15,401	131.1	9,882	1,903	957	239	2,197	224
1985	25,373	64.7	16,026	2,841	1,661	433	4,316	96
FULL-TIME EQUIVALENT EMPLOYMENT (1,000)								
All governments:								
1971	862	(NA)	529	107	40	4	180	3
1979	1,178	36.7	654	156	73	9	277	9
1985	1,369	16.2	693	181	90	12	387	6
Federal government:								
1971	78	(NA)	57	7	6	(2)	7	1
1979	103	32.1	73	8	8	(2)	12	1
1985	108	4.9	61	15	16	(2)	14	1
State and local government:								
1971	784	(NA)	472	100	34	3	173	2
1979	1,075	37.1	581	149	65	9	265	7
1985	1,260	17.2	632	186	74	11	373	6
State government:								
1971	206	(NA)	69	20	8	1	106	1
1979	329	59.7	92	49	20	4	161	4
1985	431	31.0	99	61	23	6	239	4
Local government:								
1971	578	(NA)	403	80	26	2	67	1
1979	746	29.1	489	100	45	5	104	3
1985	829	11.1	533	105	51	5	134	2

NA Not available. Z Fewer than 500. ¹ Change from prior year shown. ² Covers direct and Intergovernmental expenditures. ³ Totals are adjusted to exclude duplication from intergovernmental expenditures.

Source: U.S. Bureau of Justice Statistics, *Justice Expenditure and Employment in the U.S., 1985*, July 1989.

**NO. 308. STATE AND LOCAL GOVERNMENT POLICE PROTECTION AND CORRECTION—EMPLOYMENT
AND EXPENDITURES: 1987**

[Employment as of October. Expenditures for fiscal years ending between July 1986 and June 1987. Local government data are estimates subject to sampling variation; see Appendix III and source. For composition of regions, see fig. I, inside front cover.]

REGION, DIVISION, AND STATE	FULL-TIME EQUIVALENT EMPLOYMENT				EXPENDITURES				
	Total	Police protection	Correction	Per 10,000 population ¹	Total ² (mil. dol.)	Per capita (dol.)	Police protection (mil. dol.)	Correction (mil. dol.)	
				Police protection					
U.S.	1,064,897	662,117	402,780	27.2	16.5	51,428	211	24,684	16,638
Region:									
Northeast.....	253,151	161,450	91,701	32.1	18.2	12,404	247	5,917	3,914
Midwest.....	227,132	152,355	74,777	25.6	12.6	10,594	178	5,348	3,126
South.....	359,684	213,908	145,776	25.5	17.4	14,835	177	6,102	5,013
West.....	224,930	134,404	90,526	27.0	18.2	13,594	274	6,317	4,585
N. Eng.	51,819	35,822	15,997	27.9	12.5	2,445	190	1,246	656
ME.....	4,036	2,654	1,382	22.5	11.7	153	129	74	49
NH.....	3,665	2,603	1,062	24.8	10.1	160	151	83	37
VT.....	1,772	1,159	613	21.5	11.4	71	129	34	19
MA.....	25,162	17,397	7,785	29.7	13.3	1,244	213	621	348
RI.....	3,863	2,725	1,138	27.8	11.6	179	182	94	44
CT.....	13,321	9,284	4,037	28.9	12.6	637	199	341	159
Mid. Atl.	201,332	125,628	75,704	33.6	20.2	8,959	286	4,871	3,258
NY.....	113,778	66,806	46,972	37.5	26.4	6,113	343	2,820	2,132
NJ.....	45,114	30,009	15,105	39.1	19.7	1,922	250	956	558
PA.....	42,440	26,813	13,627	24.2	11.4	1,924	161	894	568
E. No. Cent.	167,068	111,771	55,297	26.7	13.2	7,943	190	4,015	2,381
OH.....	37,816	25,070	12,746	23.3	11.8	2,026	188	939	683
IN.....	18,517	12,013	6,504	21.7	11.8	666	120	319	217
IL.....	53,598	38,227	15,371	33.0	13.3	2,235	193	1,285	554
MI.....	39,103	23,608	15,495	25.7	16.8	2,129	231	978	712
WI.....	18,034	12,853	5,181	26.8	10.8	887	185	495	215
W. No. Cent.	60,064	40,584	19,480	23.0	11.0	2,652	150	1,333	744
MN.....	12,497	8,373	4,124	19.7	9.7	725	171	354	201
IA.....	8,208	5,689	2,519	20.3	8.9	396	140	197	104
MO.....	20,414	13,676	6,726	26.8	13.2	792	155	414	238
ND.....	1,757	1,231	426	19.9	6.4	74	110	26	16
SD.....	2,903	1,503	800	21.5	11.4	87	123	44	25
NE.....	5,575	3,744	1,831	23.5	11.5	210	132	105	61
KS.....	9,310	6,268	3,042	25.4	12.3	367	148	183	100
So. Atl.	195,346	114,114	81,232	27.4	19.5	8,675	208	4,032	3,098
DE.....	3,144	1,704	1,440	26.6	22.5	150	233	65	49
MD.....	23,127	13,252	9,875	29.3	21.8	1,162	256	513	446
DC.....	8,291	4,594	3,697	74.1	59.6	559	898	232	238
VA.....	26,868	14,071	12,797	23.8	21.7	1,114	189	505	403
WV.....	4,613	3,235	1,378	17.1	7.3	168	89	82	40
NC.....	25,427	15,084	10,343	23.5	16.1	1,027	160	464	407
SC.....	14,855	7,946	6,909	23.2	20.2	509	149	216	221
GA.....	27,280	16,218	11,062	26.1	17.8	1,046	168	469	399
FL.....	61,741	36,010	23,731	31.6	19.7	2,940	245	1,486	895
E. So. Cent.	53,221	33,085	20,136	21.6	13.2	1,976	129	935	641
KY.....	11,745	7,291	4,454	19.6	12.0	483	130	220	149
TN.....	18,859	11,011	7,848	22.7	16.2	678	140	310	248
AL.....	14,249	9,251	4,998	22.7	12.3	549	135	262	167
MS.....	8,368	5,532	2,836	21.1	10.8	266	101	142	77
W. So. Cent.	111,117	66,709	44,408	24.8	16.5	4,184	155	2,135	1,274
AR.....	7,825	5,337	2,488	22.4	10.5	236	99	122	70
LA.....	20,778	11,954	8,824	26.8	19.8	801	180	418	228
OK.....	12,852	8,468	4,386	25.9	13.4	438	134	217	144
TX.....	69,662	40,952	28,710	24.4	17.1	2,708	161	1,379	833
Mt.	57,901	36,226	21,675	27.5	16.5	2,971	226	1,426	947
MT.....	2,891	1,890	1,001	23.6	12.5	117	144	56	30
ID.....	3,381	2,466	915	24.9	9.2	132	132	72	32
WY.....	2,306	1,591	715	32.5	14.6	113	230	60	28
CO.....	13,118	8,898	4,220	27.0	12.8	730	222	386	196
NM.....	7,503	4,265	2,328	28.4	21.6	307	205	143	104
AZ.....	17,665	9,655	8,010	26.8	23.7	957	283	435	336
UT.....	5,217	3,668	1,549	21.8	9.2	291	173	138	101
NV.....	5,820	3,793	2,027	37.9	20.3	324	322	136	121
Pac.	167,029	98,178	68,851	26.9	18.8	10,623	291	4,892	3,638
WA.....	17,653	10,101	7,552	22.3	16.7	876	193	403	308
OR.....	9,929	6,083	3,846	22.4	14.1	520	191	259	148
CA.....	132,596	77,576	55,020	28.0	19.9	8,676	314	4,009	3,006
AK.....	2,570	1,494	1,076	28.7	20.7	282	536	111	91
HI.....	4,281	2,924	1,357	27.1	12.6	270	249	110	85

¹ Based on resident population as of July 1. ² Includes judicial and legal, not shown separately.

Source: U.S. Bureau of the Census, *Public Employment*, series GE No. 1, annual, and *Government Finances*, series GF, No. 5, annual.

Law Enforcement, Courts, and Prisons

No. 309. LAWYERS—SELECTED CHARACTERISTICS: 1954 TO 1985

[See headnote, table 310. See also *Historical Statistics, Colonial Times to 1970*, series H 1026-1062]

CHARACTERISTIC	1954	1957	1960	1963	1966	1970	1980	1985
All lawyers ¹	241,514	262,320	285,933	296,069	316,556	355,242	542,205	655,191
Lawyers reporting ²	221,600	235,783	252,385	268,782	289,404	324,818	(x)	(x)
Male	216,564	229,433	245,897	261,639	281,336	315,715	498,019	569,649
Female	5,036	6,350	6,488	7,143	8,058	9,103	44,185	85,542
Status in practice: ³								
Government	21,279	24,245	25,621	29,314	31,280	35,803	50,490	53,035
Federal	9,040	12,458	13,045	15,113	16,284	18,710	20,132	19,989
State	3,561	4,000	4,316	6,486	7,416	9,293	—	—
City or county	8,678	7,787	8,260	7,715	7,580	7,800	30,358	33,046
Judicial	7,903	7,910	8,180	8,748	9,712	10,349	19,180	21,677
Federal	621	769	599	707	800	878	2,611	3,003
State and county	5,041	5,056	5,301	5,712	6,823	7,548	16,549	18,674
City	2,241	2,085	2,280	2,329	2,089	1,923	—	—
Private practice	189,423	188,955	192,353	200,586	212,662	236,085	370,111	460,206
Individual	127,389	122,389	116,911	113,127	113,273	118,963	179,923	216,336
Partner	51,668	54,966	60,709	70,064	78,544	92,442	190,187	177,392
Associate ⁴	10,366	11,600	14,733	17,395	20,845	24,680	66,478	—
Salaried	16,648	21,054	25,198	29,510	33,222	40,496	73,882	83,843
Private industry	15,063	18,911	22,533	26,492	29,405	33,593	54,626	63,622
Educational institutions	1,351	1,504	1,798	2,100	2,717	3,792	6,606	7,254
Other private employment	234	639	867	918	1,100	3,161	12,630	12,630
Inactive or retired	6,581	7,661	10,887	12,024	14,881	16,812	28,582	36,430

X Not applicable. ¹ 1954-1970 includes lawyers not reporting and an adjustment (subtraction) for duplications; 1980 and 1985 weighted to account for non-reporters and duplicate listings. ² 1954-1970 includes duplications; 1980 and 1985 figures are weighted to adjust for duplication of entries. ³ 1954-1970, in cases where more than 1 subentry was applicable, the individual was tabulated in each. In 1980 and 1985 lawyers who were in both private practice and government service are coded in private practice. ⁴ Associates are lawyers assigned as such by their employers.

Source: American Bar Foundation, Chicago, IL, 1954-1970, *The 1971 Lawyer Statistical Report*, 1971 (copyright); 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

No. 310. LAWYERS, BY STATE: 1970 TO 1985

[Data based on 1971, 1980 and 1985 editions of *Martindale-Hubbell Law Directory*. Represents all persons who are members of the bar, including those in industries, educational institutions, etc., and those inactive or retired]

STATE	1970 ¹	1980 ²	1985			STATE	1970 ¹	1980 ²	1985		
			Total ²	In private practice ²	Population per lawyer ³				Total ²	In private practice ²	Population per lawyer ³
U.S. ⁴	324,818	542,205	655,191	460,206	360	MO	7,290	10,731	12,439	8,531	403
AL	3,291	5,466	6,679	4,747	597	MT	978	1,617	2,006	1,432	411
AK	443	1,355	1,749	1,191	286	NE	2,481	3,722	4,289	2,876	374
AZ	2,618	5,657	7,535	5,248	405	NV	739	1,771	2,276	1,561	400
AR	1,968	3,188	3,741	2,586	628	NH	791	1,678	2,139	1,570	457
CA	31,580	64,840	82,001	60,719	312	NM	1,201	2,508	3,164	2,302	450
CO	4,197	8,652	11,174	7,991	284	NY	48,312	62,745	72,575	52,130	244
CT	5,398	8,930	11,397	7,342	277	NC	4,367	7,459	9,265	6,520	665
DE	733	1,332	1,597	896	384	ND	728	1,101	1,290	888	532
DC	15,501	25,465	28,399	12,617	22	OH	15,349	23,949	27,191	19,125	395
FL	10,917	23,521	30,444	21,709	361	OR	4,637	7,034	8,302	5,923	397
GA	5,517	11,087	13,652	10,097	428	SD	2,996	5,803	7,365	5,337	362
HI	857	2,027	2,787	2,019	373	PA	13,557	22,872	27,798	20,393	428
ID	803	1,706	2,031	1,370	493	RI	1,284	2,070	2,527	1,909	381
IL	20,404	32,421	37,873	26,463	304	SC	2,236	4,195	5,021	3,755	657
IN	5,447	8,443	9,499	6,862	579	SD	812	1,125	1,230	880	574
IA	3,820	5,550	6,182	4,339	471	TN	4,770	7,802	8,782	6,206	537
KS	3,126	4,759	5,555	3,828	439	TX	17,217	30,151	38,028	28,184	410
KY	3,625	6,200	7,017	4,941	531	UT	1,309	2,480	3,446	2,585	479
LA	5,089	8,752	10,569	8,272	422	VT	581	1,095	1,372	979	386
ME	1,068	2,062	2,528	1,846	457	VA	6,401	10,895	13,390	9,031	421
MD	6,619	10,648	12,866	8,405	338	WA	4,466	8,468	11,507	8,411	378
MA	11,316	18,537	22,154	16,579	262	WV	1,719	2,566	2,835	2,033	689
MI	10,569	17,443	20,445	14,501	444	WI	6,177	9,117	10,315	7,187	462
MN	5,481	9,433	11,343	7,767	367	WY	449	927	1,116	755	458
MS	2,517	3,850	4,270	3,198	608						

¹ Represents lawyers reporting only. Includes an estimated adjustment (subtraction) to account for duplications. Based on reporting from approximately 90 percent of all lawyers. ² Weighted to account for non-reporters and duplicate listings. ³ Based on Bureau of the Census estimated resident population, including Armed Forces stationed in areas as of July 1, 1984. ⁴ Total for U.S. counts each lawyer only once regardless of number of offices maintained by the lawyer. If, however, a lawyer maintains an office in more than one State, the lawyer is included in the total shown for each State in which the lawyer maintains an office.

Source: American Bar Foundation, Chicago, IL, *The 1971 Lawyer Statistical Report*, 1971 (copyright), 1980, *The Lawyer Statistical Report: A Statistical Profile of the U.S. Legal Profession in the 1980s*, 1985 (copyright); and 1985, *Supplement to The Lawyer Statistical Report: The U.S. Legal Profession in 1985*, 1986 (copyright).

NO. 311. U.S. SUPREME COURT—CASES FILED AND DISPOSITION: 1970 TO 1988

[Statutory term of court begins first Monday in October. See *Historical Statistics, Colonial Times to 1970*, series H 1063–1078, for related but not comparable data]

ACTION	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Total cases on docket	4,212	4,761	5,144	5,079	5,100	5,006	5,168	5,123	5,268	5,657
Appellate cases on docket	1,903	2,352	2,749	2,710	2,688	2,575	2,571	2,547	2,577	2,587
From prior term	325	431	527	545	520	539	400	476	440	446
Docketed during present term	1,578	1,921	2,222	2,165	2,168	2,036	2,171	2,071	2,137	2,141
Cases acted upon ¹	1,613	1,900	2,324	2,279	2,220	2,253	2,185	2,189	2,224	2,271
Granted review	214	244	167	169	140	167	166	152	157	130
Denied, dismissed, or withdrawn	1,285	1,538	1,909	1,892	1,902	1,953	1,863	1,876	1,919	1,973
Summarily decided	114	118	90	113	71	59	78	71	66	75
Cases not acted upon	290	452	425	413	468	322	386	358	353	316
Pauper cases on docket	2,289	2,395	2,371	2,352	2,394	2,416	2,577	2,564	2,675	3,056
Cases acted upon ¹	1,802	1,987	2,027	2,013	1,992	2,087	2,189	2,250	2,263	2,638
Granted review	41	28	17	10	9	18	20	15	23	17
Denied, dismissed, or withdrawn	1,683	1,903	1,968	1,995	1,968	2,050	2,136	2,186	2,210	2,577
Summarily decided	78	66	32	6	10	14	24	38	21	32
Cases not acted upon	487	398	344	339	402	329	388	314	412	418
Original cases on docket	20	14	24	17	18	15	10	12	16	14
Cases disposed of during term	7	7	7	3	7	8	2	1	5	2
Total cases available for argument	287	280	264	312	269	271	276	270	280	264
Cases disposed of	160	181	162	199	189	184	175	179	175	173
Cases argued	151	179	154	183	184	175	171	175	167	170
Cases dismissed or remanded without argument	9	2	8	16	5	9	4	4	8	3
Cases remaining	107	99	102	113	80	87	101	91	105	81
Cases decided by signed opinion	126	160	144	174	174	159	161	164	151	156
Cases decided by per curiam opinion	22	16	8	6	6	11	10	10	9	12
Number of signed opinions	109	138	123	151	151	139	146	145	139	133

¹ Beginning 1980, includes cases granted review and carried over to next term, not shown separately.

Source: Office of the Clerk, Supreme Court of the United States, unpublished data.

NO. 312. U.S. COURTS OF APPEALS—CASES COMMENCED AND DISPOSITION: 1970 TO 1988

[For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1079–1096]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Cases commenced	11,662	16,658	23,200	26,362	27,946	29,630	31,490	33,380	34,292	35,176	37,524
Criminal	2,660	4,187	4,405	4,377	4,767	4,790	4,881	4,989	5,134	5,260	6,012
U.S. civil	2,167	2,981	4,654	4,940	5,517	5,820	6,259	6,744	6,415	6,292	6,210
Private civil	4,834	6,511	10,200	12,074	13,267	14,429	15,466	16,827	17,876	19,246	20,464
Administrative appeals	1,522	2,290	2,950	3,800	3,118	3,069	3,045	3,179	3,187	2,723	3,043
Cases terminated	10,698	16,000	20,887	25,066	27,984	26,560	31,185	31,387	33,774	34,444	35,888
Criminal	2,581	4,005	3,993	4,192	4,522	4,777	4,876	4,892	5,134	5,039	5,284
U.S. civil	1,912	3,094	4,346	5,021	5,508	5,585	6,074	6,363	6,535	6,227	6,388
Private civil	4,367	6,252	8,942	11,327	13,115	13,710	15,309	15,743	17,276	18,338	19,798
Administrative appeals	1,407	1,909	2,643	3,303	3,549	3,260	3,212	2,760	3,235	3,237	2,625
Cases disposed of	6,139	9,077	10,607	12,168	12,720	13,217	14,327	16,369	18,199	18,502	19,178
Affirmed or granted	4,626	6,763	9,017	9,004	9,560	10,174	10,961	12,266	13,398	13,681	14,953
Reversed or denied	1,280	1,632	1,845	2,246	2,138	2,173	2,382	2,770	3,249	2,924	2,664
Other	233	682	745	918	1,022	870	984	1,313	1,552	1,897	1,561
Median months ³	8.2	7.4	8.9	9.3	8.9	8.6	8.3	10.3	10.3	10.3	10.1

¹ Includes original proceedings and bankruptcy appeals not shown separately. ² Terminated on the merits after hearing or submission. Beginning 1975, data not comparable with earlier years due to changes in criteria. ³ Prior to 1985, the figure is from filing of complete record to final disposition; beginning 1985, figure is from filing notice of appeal to final disposition. For definition of median, see Guide to Tabular Presentation.

NO. 313. U.S. DISTRICT COURTS—CIVIL AND CRIMINAL CASES: 1970 TO 1988

[In thousands, except percent. For years ending June 30. See also *Historical Statistics, Colonial Times to 1970*, series H 1097–1111]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Civil cases: Commenced	87.3	117.3	166.8	180.6	206.2	241.8	261.5	273.7	254.8	239.0	239.6
Cases terminated ¹	79.5	103.8	155.0	172.9	185.5	213.6	241.8	268.6	265.8	237.5	238.1
No court action	31.1	39.2	68.7	72.1	81.6	98.0	113.9	129.4	122.2	97.8	79.6
Court action, total	48.4	64.8	86.2	100.8	103.9	114.6	127.9	139.2	143.6	138.7	158.6
Before pretrial	28.4	40.3	53.8	61.1	67.3	75.9	86.1	95.5	101.9	95.3	114.7
Pretrial	11.0	15.6	22.4	28.3	25.3	27.1	29.6	31.1	29.9	32.5	32.2
Trials	8.0	8.7	10.1	11.4	11.3	11.6	12.1	12.6	11.7	11.9	11.6
Percent reaching trial	10.0	8.4	6.5	6.6	6.1	5.4	5.0	4.7	4.4	5.0	4.9
Criminal cases: Commenced	38.1	41.1	28.0	30.4	31.6	34.9	35.9	38.5	40.4	42.2	43.5
Defendants disposed of ²	36.4	49.2	36.6	38.1	40.5	43.3	44.5	47.4	50.0	54.2	52.8
Not convicted	8.2	11.8	8.0	8.3	8.2	7.7	8.4	8.8	9.3	10.2	9.9
Convicted	28.2	37.4	28.6	29.9	32.3	35.6	36.1	38.5	40.7	43.9	42.9
Imprisonment	12.4	17.3	13.2	13.7	15.9	17.9	17.7	18.7	20.6	23.3	22.5
Probation	11.4	17.9	11.1	12.2	12.7	14.1	13.9	14.4	15.2	16.0	16.1
Fine and other	4.4	2.2	4.4	4.0	3.7	3.6	4.5	5.4	4.9	4.6	4.4

¹ Excludes land condemnation cases. ² Excludes transfers. ³ Beginning 1975, includes DC; beginning 1980, includes Guam, Virgin Islands, and Northern Mariana Islands; 1980 through 1982 includes Canal Zone.

Source of tables 312 and 313: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

Law Enforcement, Courts, and Prisons

No. 314. U.S. DISTRICT COURTS--CIVIL CASES COMMENCED AND PENDING: 1980 TO 1988

[For years ending June 30]

TYPE OF CASE	CASES COMMENCED				CASES PENDING			
	1980	1985	1987	1988	1980	1985	1987	1988
Cases total ¹	168,789	273,670	239,185	239,634	186,113	254,114	243,361	244,242
Contract actions ¹	49,052	102,642	69,606	62,811	40,521	65,983	53,922	51,430
Recovery of overpayments ²	15,588	58,160	24,233	18,676	6,696	22,576	9,223	7,856
Real property actions	11,067	10,118	11,586	12,209	15,436	9,324	9,659	9,957
Tort actions ¹	32,539	41,593	42,977	44,961	41,062	57,243	65,353	66,169
Personal injury	27,517	37,560	39,173	41,148	34,994	52,808	60,737	61,736
Personal injury product liability ¹	(NA)	12,507	14,153	16,166	9,118	22,111	30,596	32,617
Asbestos	(NA)	4,239	7,776	10,715	(NA)	11,194	19,544	22,358
Other personal injury	27,517	25,053	25,026	24,982	25,876	30,497	30,141	29,119
Personal property damage	5,022	4,033	3,804	3,813	6,068	4,635	4,616	4,433
Actions under statutes ¹	75,574	119,160	114,942	119,514	88,534	121,295	114,333	116,539
Civil rights ¹	12,944	19,553	19,805	19,323	18,819	26,148	25,952	24,562
Employment	5,017	8,082	8,993	8,563	8,893	12,187	12,267	11,775
Bankruptcy suits	1,688	6,331	4,705	5,558	1,443	4,866	3,985	3,864
Commerce (ICC rates, etc.)	1,105	912	1,067	1,694	6,194	747	807	1,122
Environmental matters	557	652	703	889	751	912	1,076	1,234
Prisoner petitions	23,287	33,468	37,351	38,839	18,008	29,982	30,444	32,022
Forfeiture and penalty	3,019	4,908	3,493	3,873	2,282	3,658	2,919	3,392
Labor laws	8,640	11,749	12,759	12,688	9,045	11,002	11,640	11,647
Protected property rights ³	3,783	5,412	5,518	6,059	4,014	5,151	5,484	5,700
Securities commodities and exchanges	1,694	3,266	3,021	2,638	3,255	5,082	5,322	4,894
Social Security laws	8,043	19,771	13,338	15,152	13,154	20,302	12,926	13,876
Tax suits	3,262	2,968	2,785	2,555	3,075	2,972	3,050	2,928
Freedom of information	627	565	444	344	617	555	486	433

NA Not available. ¹ Includes other types not shown separately.² Includes enforcement of judgments in student loan cases, and overpayments of veterans benefits.³ Includes copyright, patent, and trademark rights.

No. 315. U.S. DISTRICT COURTS—TRIALS: 1970 TO 1988

[For years ending June 30. A trial is defined as a contested proceeding (other than a hearing on a motion) before either court or jury in which evidence is introduced and final judgment sought. See also *Historical Statistics, Colonial Times to 1970*, series H 1112-1118.]

TYPE OF TRIAL	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total	16,032	19,236	10,825	21,239	21,397	21,345	20,830	20,729	20,242	19,985	19,901
Civil trials	9,449	11,603	13,191	14,697	14,753	14,689	14,374	14,254	13,276	13,162	12,536
Nonjury	6,078	7,903	9,254	10,047	10,074	9,712	9,037	8,817	8,054	7,597	7,088
Jury	3,371	3,700	3,937	4,650	4,879	4,977	5,337	5,437	5,222	5,565	5,448
Criminal trials	6,583	7,693	6,634	6,542	6,644	6,656	6,456	6,475	6,966	6,823	7,365
Nonjury	2,357	2,726	3,216	2,962	3,076	3,003	2,823	2,778	3,066	2,912	3,215
Jury	4,226	4,907	3,418	3,580	3,568	3,653	3,633	3,697	3,900	3,911	4,150

No. 316. U.S. DISTRICT COURTS—CRIMINAL CASES COMMENCED AND DEFENDANTS DISPOSED OF, BY NATURE OF OFFENSE: 1985 AND 1988

[For years ending June 30]

NATURE OF OFFENSE	1985		Cases commenced 1988	DISPOSITION OF DEFENDANTS, 1988							
	Cases commenced	Defendants disposed of		Not convicted		Convicted ²		Sentenced			
		Total	Acquited	Total	GUILTY PLEA ³	By court or jury	Imprisonment	Probation	Fine and other		
Total	38,546	47,360	43,503	52,791	9,889	1,521	42,902	37,514	5,388	22,473	16,057
General offenses:											
Homicide	160	170	147	150	40	16	110	86	24	94	6
Robbery	1,236	1,387	1,283	1,195	131	27	1,064	927	137	990	72
Assault	552	555	617	599	163	37	436	338	98	267	31
Burglary	158	165	124	111	19	1	92	84	8	75	15
Larceny—theft	3,571	4,108	3,531	3,865	706	103	3,159	2,899	260	1,161	1,701
Embezzlement and fraud	7,912	9,044	9,433	11,180	1,571	240	9,609	8,736	873	4,004	5,334
Auto theft	300	461	293	382	59	14	323	291	32	224	7
Forgery, counterfeiting	2,118	2,372	1,674	2,070	253	39	1,777	1,666	111	853	910
Sex offenses	266	200	511	498	64	20	374	315	59	215	154
DAPCA ⁴	6,690	11,177	10,291	15,750	2,588	420	13,162	11,044	2,118	9,983	3,042
Misc. general offenses	15,583	17,721	15,599	17,051	4,255	604	12,796	11,128	1,668	4,607	4,593

¹ Excludes transfers. ² Convicted and sentenced. ³ Includes nolo contendere. ⁴ All marijuana, narcotics and controlled substances prosecutions under the Drug Abuse, Prevention and Control Act.Source of tables 314-316: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 317. U.S. DISTRICT COURTS—DEFENDANTS CHARGED WITH VIOLATIONS OF DRUG ABUSE PREVENTION AND CONTROL ACT: 1980 TO 1988

[For years ending June 30]

ITEM	MARIJUANA					DRUGS					CONTROLLED SUBSTANCES (prescribed drugs)				
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988
Defendants disposed of.....	1,690	3,984	3,989	4,404	4,890	3,200	5,595	7,321	8,978	9,228	1,363	1,598	1,624	1,750	1,832
Not convicted.....	569	654	904	942	872	749	868	1,009	1,210	1,399	276	246	257	279	317
Dismissed ¹	483	709	777	816	726	620	692	813	982	1,167	234	200	221	249	275
Convicted.....	1,121	3,130	3,085	3,462	4,018	2,541	4,727	6,312	7,765	7,829	1,087	1,352	1,367	1,471	1,315
By guilty plea and nolo contendere.....	772	2,523	2,637	2,968	3,573	1,830	3,639	5,125	6,404	6,365	848	1,138	1,126	1,283	1,106
Imprisonment, total ²	754	2,036	2,048	2,354	2,414	1,945	3,701	5,058	6,388	6,575	780	1,049	1,046	1,165	994
Regular sentence.....	555	1,512	1,594	1,855	1,910	1,410	2,885	4,169	5,361	5,799	582	810	838	972	851
Avg. sentence (mo.).....	47.2	53.2	55.7	61.4	57.3	60.8	69.6	73.1	74.9	82.9	46.5	69.3	81.2	85.0	91.5
Other sentences to prison ³	199	524	454	499	504	535	816	889	1,027	776	198	239	208	193	143
Probation, total.....	341	938	902	1,040	1,536	588	980	1,148	1,346	1,198	303	287	303	294	307
Avg. sentence (mo.).....	37.9	31.2	33.4	35.3	28.9	39.9	39.7	41.6	42.8	41.1	37.2	40.5	43.7	42.6	35.6
Fine only.....	20	83	91	62	53	4	3	15	17	27	3	6	2	6	9
Other ³	6	73	44	6	15	4	63	91	15	28	1	10	16	6	5

¹ Includes defendants committed under 28 USC 2902, Narcotic Addict Rehabilitation Act of 1966. ² Split or mixed sentences of prison and probation in the same case as well as indeterminate and Youth Corrections Act sentences are included under total imprisonment and other sentences to prison. ³ Includes deportation, suspended sentences, imprisonment for four days or less or for time already served, remitted and suspended fines and life sentences.

Source: Administrative Office of the U.S. Courts, *Annual Report of the Director*.

No. 318. FEDERAL PROSECUTIONS OF PUBLIC CORRUPTION: 1975 TO 1988

[As of Dec. 31. Prosecution of persons who have corrupted public office in violation of Federal Criminal Statutes]

PROSECUTION STATUS	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total: ¹ Indicted.....	255	507	557	667	721	878	729	1,073	936	1,182	1,193	1,340	1,274
Convicted.....	179	440	409	555	552	730	671	972	934	997	1,026	1,075	1,067
Awaiting trial.....	27	210	187	213	231	186	222	269	256	246	368	288	
Federal officials: Indicted.....	53	129	133	128	123	198	158	2460	408	563	596	651	629
Convicted.....	43	94	91	115	131	159	147	242	429	470	523	545	529
Awaiting trial.....	5	32	42	21	16	23	38	58	77	90	83	118	86
State officials: Indicted.....	36	50	55	58	72	87	49	81	58	79	88	102	66
Convicted.....	18	38	56	52	32	51	66	43	65	52	66	71	69
Awaiting trial.....	5	33	20	30	28	36	18	26	21	20	24	26	14
Local officials: Indicted.....	139	157	171	212	247	244	257	270	203	248	232	246	278
Convicted.....	94	164	127	156	168	211	232	226	196	221	207	204	229
Awaiting trial.....	15	62	72	67	82	102	58	61	74	49	55	89	79

¹ Includes individuals who are neither public officials nor employees but who were involved with public officials or employees in violating the law, not shown separately. ² Increases in the number indicted and convicted between 1982 and 1983 resulted from a greater focus on federal corruption nationwide and more consistent reporting of cases involving lower-level employees.

Source: U.S. Department of Justice, *Federal Prosecutions of Corrupt Public Officials, 1970-1980 and Report to Congress on the Activities and Operations of the Public Integrity Section*, annual.

No. 319. CONVICTIONS IN FEDERAL COURT FOR FEDERAL WHITE COLLAR AND RELATED CRIMES AND INCARCERATIONS, BY TYPE OF OFFENSE: 1980 TO 1985

[White collar crime is defined as a nonviolent crime for financial gain committed by deception, such as counterfeiting, embezzlement, forgery, fraud, or regulatory offense]

OFFENSE	NUMBER OF DEFENDANTS CONVICTED						PERCENT OF CONVICTED OFFENDERS SENTENCED TO INCARCERATION						Median length of sentence, 1985 (months)
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985	
All offenses.....	29,952	31,819	34,245	37,295	39,071	40,649	46	48	51	50	49	50	18
White collar.....	9,121	9,572	10,591	10,877	10,611	10,733	39	40	43	41	38	40	15
Tax fraud.....	1,366	1,189	1,099	973	1,163	1,204	34	38	46	49	47	48	12
Lending and credit fraud.....	406	489	453	473	494	540	46	43	40	37	40	39	12
Wire fraud.....	1,048	1,199	1,221	1,348	1,692	1,428	53	59	56	50	39	50	24
Other fraud.....	1,845	1,995	2,670	3,004	2,795	2,800	33	34	38	34	33	37	12
Embezzlement.....	1,626	1,780	2,029	1,988	1,767	1,753	28	28	29	30	28	28	6
Forgery.....	1,564	1,310	1,783	1,844	1,652	2,014	51	54	53	53	50	45	24
Counterfeiting.....	657	677	868	751	571	503	57	54	59	56	59	56	24
Regulatory offense.....	609	833	468	486	477	491	19	22	23	20	19	17	6
Nonwhite collar.....	20,831	22,247	23,654	26,418	28,457	29,816	49	51	55	54	53	54	24

¹ Includes 3 offenders in 1984, and 100 offenders in 1985 whose offense type was unknown.

Source: U.S. Bureau of Justice Statistics, *White Collar Crime*, September 1987, and unpublished data.

NO. 320. DELINQUENCY CASES DISPOSED, BY JUVENILE COURTS: 1975 TO 1985

YEAR	CASES DISPOSED			YEAR	CASES DISPOSED		
	Total (1,000)	Percent change	Case rate ¹		Total (1,000)	Percent change	Case rate ¹
1975.....	1,050	(NA)	33.8	1981.....	1,100	.6	39.1
1976.....	1,077	2.6	35.1	1982.....	1,073	-2.5	39.1
1977.....	1,076	-1	35.8	1983.....	1,030	-4.0	38.3
1978.....	1,023	-4.9	34.6	1984.....	1,034	.4	38.7
1979.....	1,048	2.4	36.2	1985.....	1,117	8.0	42.3
1980.....	1,093	4.3	38.3				

NA Not available. ¹ Number of cases disposed per 1,000 youth (ages 10 to 17) at risk.Source: U.S. National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics, 1985*; and unpublished data.

NO. 321. DELINQUENCY CASES DISPOSED BY JUVENILE COURTS, BY REASON FOR REFERRAL, 1982 TO 1985, AND BY SEX, 1985

[In thousands. A delinquency offense is an act committed by a juvenile for which an adult could be prosecuted in a criminal court. Disposition of a case involves taking a definite action such as transferring the case to criminal court, dismissing the case, placing the youth on probation, placing the youth in a facility for delinquent or status offenders, or such actions as fines, restitution, and community service]

REASON FOR REFERRAL	1982	1983	1984	1985		
				Total	Male	Female
All delinquency offenses.....	1,073	1,030	1,034	1,117	912	205
Violent offenses.....	57	55	61	70	61	9
Criminal homicide.....	1	1	1	1	1	(2)
Forcible rape.....	2	1	1	1	1	(2)
Robbery.....	3	3	3	4	4	(2)
Aggravated assault.....	26	24	22	25	23	2
Property offenses.....	27	27	35	40	33	8
Burglary.....	475	451	442	470	380	91
Larceny.....	158	145	129	133	124	9
Motor vehicle theft.....	278	270	276	296	220	77
Arson.....	34	31	31	35	30	5
Delinquency offenses.....	541	524	530	577	472	105
Simple assault.....	86	81	73	84	62	22
Vandalism.....	64	64	69	81	74	8
Drug law violations.....	62	57	65	74	62	13
Obstruction of justice.....	47	55	63	64	48	16
Other ¹	282	268	260	274	226	48

Z Fewer than 500. ¹ Includes such offenses as stolen property offenses, trespassing, weapons offenses, other sex offenses, liquor law violations, disorderly conduct, and miscellaneous offenses.

Source: U.S. National Center for Juvenile Justice, Pittsburgh, PA, *Juvenile Court Statistics, 1985*; and unpublished data.

NO. 322. JUVENILES HELD IN PUBLIC AND PRIVATE CUSTODY—RESIDENTS AND FACILITIES: 1983 TO 1987

[Public and private facilities for juveniles include detention centers, shelters, reception and diagnostic centers, training schools, halfway houses, group homes, ranches, forestry camps, and farms]

CHARACTERISTIC	Unit	PUBLIC CUSTODY			PRIVATE CUSTODY		
		1983	1985	1987	1983	1985	1987
Number of residents ^{1,2}	Number...	50,799	51,402	56,097	31,473	34,112	38,184
Juvenile ³	Number...	48,701	49,322	53,503	31,390	34,080	38,143
Average age ⁴	Years...	15.4	15.4	15.8	14.9	14.9	14.8
Male.....	Number...	42,182	42,549	46,272	22,242	23,844	26,339
Female.....	Number...	6,519	6,773	7,231	9,148	10,236	11,804
White.....	Number...	27,805	29,969	31,103	22,377	23,999	26,839
Black.....	Number...	18,020	18,269	21,057	7,822	9,204	10,357
Number of admissions (all residents) ⁵	Number...	530,200	527,759	597,624	68,806	101,007	126,102
Number of departures (all residents) ⁵	Number...	522,599	520,903	592,229	84,399	96,006	120,071
Average daily residents ⁶	Number...	50,208	49,480	54,036	31,685	33,121	38,172
Facilities, total ^{2,7}	Number...	1,023	1,040	1,107	1,877	1,996	2,195
Occupancy less than 70 percent.....	Percent...	30	35	28	22	20	18
70-100 percent.....	Percent...	56	55	57	76	79	79
More than 100 percent.....	Percent...	14	10	15	2	1	3
Personnel, total ^{2,8}	Number...	58,654	(NA)	62,249	37,411	(NA)	49,144
Total expenditures ^{4,9}	Mil. dol...	1,148.3	(NA)	(NA)	719.0	(NA)	(NA)
Capital.....	Mil. dol...	43.3	(NA)	(NA)	45.5	(NA)	(NA)
Operating.....	Mil. dol...	1,105.0	1,247.9	1,458.7	673.5	805.5	1,060.0
Per resident operating cost ¹⁰	\$1,000....	22.0	25.2	27.0	21.3	24.3	27.8

NA Not available. ¹ Includes adults. ² Data for February 1, 1983, and 1985, and February 2, 1987. ³ Includes races not reported and races not shown. ⁴ Based on juvenile residents only. ⁵ Data are for calendar years 1982, 1984 and 1986. ⁶ Juvenile and adult. ⁷ Occupancy is calculated on the average daily resident population. ⁸ 1983 generally includes volunteers; excludes 4,600 in California, and large but unspecified numbers in Ohio and South Carolina. 1987 personnel includes full; part-time and volunteer. ⁹ Current dollars, unadjusted for inflation. ¹⁰ Based on average daily residents.

Source: 1983, U.S. Office of Juvenile Justice and Delinquency Prevention, *Children in Custody: Advance Report on the 1982 Census of Public Juvenile Facilities; and Children in Custody: Advance Report on the 1982 Census of Private Juvenile Facilities*; 1985, U.S. Bureau of Justice Statistics, *Census of Public and Private Juvenile Detention, Correctional, and Shelter Facilities, 1975-85*; and U.S. Office of Juvenile Justice and Delinquency Prevention, 1987 *Children in Custody: Census of Public and Private Juvenile Custody Facilities*.

Jail Inmates—Prisoners—Prisoner Characteristics

187

NO. 323. JAIL INMATES, BY RACE AND DETENTION STATUS: 1978 TO 1987

[Excludes Federal and State prisons or other correctional institutions; institutions exclusively for juveniles; State-operated jails in Connecticut, Delaware, Hawaii, Rhode Island, and Vermont; and other facilities which retain persons for less than 48 hours. As of June 30. For the years 1982 and 1984–1987 data based on sample survey and subject to sampling variability; 1978 and 1983, based on the National Jail Census]

CHARACTERISTIC	1978	1982	1983	1984	1985	1986	1987
Total inmates ¹	158,394	209,582	223,552	234,800	256,615	274,444	295,873
Percent of rated capacity	65	84	85	90	94	96	98
Percent of operational capacity	64	95	81	(NA)	(NA)	(NA)	(NA)
Male	148,839	195,730	207,783	216,275	235,909	251,235	270,172
Female	9,555	13,852	15,769	16,743	19,077	21,501	23,920
White	89,418	(NA)	130,118	138,355	151,403	159,178	168,647
Black	65,104	(NA)	87,508	93,800	102,646	112,522	124,267
Other races	3,872	(NA)	5,926	2,345	2,566	2,744	2,859
Hispanic ²	16,349	(NA)	31,297	30,485	35,926	38,422	41,422
Non-Hispanic	142,045	(NA)	192,254	204,015	220,681	236,022	254,451
Adult ³	156,783	207,853	221,815	233,018	254,986	272,736	294,092
Awaiting arraignment or trial	77,453	118,189	113,984	116,331	127,059	142,112	150,101
Convicted	75,438	89,864	107,660	113,491	123,409	127,067	139,394
Juvenile ⁴	1,611	1,729	1,736	1,482	1,629	1,708	1,781

NA Not available. ¹ For 1984–1987, includes juveniles not shown separately by sex. ² Hispanic persons may be of any race. ³ Includes inmates not classified by conviction status. ⁴ Juveniles are persons whose age makes them initially subject to juvenile court authority although they are sometimes tried as adults in criminal court.

Source: U.S. Bureau of Justice Statistics, *Profile of Jail Inmates, 1978*, and *Jail Inmates*, annual.

NO. 324. FEDERAL AND STATE PRISONERS: 1960 TO 1988

[Prior to 1970, excludes State institutions in Alaska. Beginning 1980, includes all persons under jurisdiction of Federal and State authorities rather than those in the custody of such authorities. Represents inmates sentenced to maximum term of more than a year. See also *Historical Statistics, Colonial Times to 1970*, series H 1135–1140.]

YEAR	PRESENT AT END OF YEAR						RECEIVED FROM COURTS					
	All institutions		Federal		State		All institutions		Federal		State	
	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹	Number	Rate ¹
1960	212,953	118.6	23,218	12.9	189,735	105.7	88,575	49.3	13,723	7.6	74,852	41.7
1970	196,429	96.7	20,038	9.8	176,391	86.8	79,351	39.1	12,047	5.9	67,304	33.1
1975	240,593	113.3	24,131	11.4	216,462	102.0	129,573	61.0	16,770	7.9	112,803	53.1
1980	315,974	139.2	20,611	9.1	295,363	130.1	142,122	62.7	10,907	4.8	131,215	57.9
1982	395,516	170.8	23,652	10.2	371,864	160.4	177,109	76.1	12,461	5.4	164,648	70.7
1983	419,721	178.5	26,331	11.2	393,390	168.1	187,408	80.1	14,119	6.0	173,289	74.1
1984	445,399	188.0	27,602	12.0	417,797	176.0	180,418	76.0	13,491	5.7	166,927	70.3
1985	481,393	200.6	32,695	13.6	448,698	187.0	198,499	82.7	15,368	6.4	183,131	76.3
1986	522,485	216.0	36,591	15.0	485,954	201.0	219,382	91.0	16,067	7.0	203,315	84.0
1987	560,459	229.0	39,523	16.0	520,938	213.0	241,887	99.0	16,260	7.0	255,627	92.0
1988	603,928	244.0	42,738	17.0	561,190	227.0	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. ¹ Rate per 100,000 estimated population.

Source: U.S. Bureau of Justice Statistics, *Prisoners in State and Federal Institutions on December 31*, annual, and *Correctional Populations in the United States*, annual.

NO. 325. STATE PRISON INMATES—SELECTED CHARACTERISTICS: 1979 AND 1986

[Based on a sample survey of about 13,711 inmates in 1986 and 11,397 inmates in 1979; subject to sampling variability]

CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES		CHARACTERISTIC	NUMBER		PERCENT OF PRISON INMATES	
	1979	1986	1979	1986		1979	1986	1979	1986
Total ¹	274,564	450,416	100.0	100.0	Never married	142,414	241,707	51.9	53.7
Under 18 years old	2,220	2,057	.8	.5	Married	61,420	91,492	22.4	20.3
18–24 years old	97,860	120,384	35.6	26.7	Widowed	6,248	8,343	2.3	1.9
25–34 years old	116,284	205,817	42.4	45.7	Divorced	46,314	81,263	16.9	18.1
35–44 years old	37,926	87,502	13.8	19.4	Separated	18,168	26,985	6.6	6.0
45–54 years old	13,967	23,524	5.1	5.2	Years of school:				
55–64 years old	4,786	8,267	1.7	1.8	Less than 12 years	144,771	276,309	52.7	61.6
65 years old and over	1,499	2,808	.5	.6	12 years or more	129,792	172,385	47.3	38.4
Male	263,484	430,604	96.0	95.6	Pre-arrest employment status:				
Female	11,080	19,812	4.0	4.4	Employed...	192,800	309,364	70.5	69.0
White	136,295	223,648	49.6	49.7	Full-time...	165,577	257,391	60.5	57.4
Black	131,329	211,021	47.8	46.9	Part-time...	27,223	51,973	10.0	11.6
Other races	6,939	15,412	2.6	3.4	Not employed...	80,663	138,773	29.5	31.0
					Looking for work...	38,230	80,506	14.0	18.0
					Not looking for work...	42,433	58,265	15.5	13.0

¹ Includes data not reported for all characteristics except sex.

Source: U.S. Bureau of Justice Statistics, *Profile of State Prison Inmates, 1986*, January 1988.

Law Enforcement, Courts, and Prisons

NO. 326. STATE PRISON INMATES, BY CRIMINAL HISTORY AND SELECTED CHARACTERISTICS OF THE INMATE: 1986

[Based on a sample survey of about 13,711 inmates. Violent/nonviolent refers to the current or past criminal offense for which the inmate is or was incarcerated; see table 263 for types of crime; subject to sampling variability]

CHARACTERISTIC	CRIMINAL HISTORY OF PRISON INMATES							
	Total	First-timers			Recidivists ¹			
		Total	Non-violent	Violent	Total	Non-violent	Prior violent only	Current violent only
Prison inmates, total.....	447,185	82,791	23,808	58,983	364,393	129,465	49,827	88,946
Percent of total.....	100.0	18.5	5.3	13.2	81.5	29.0	11.1	22.1
Percent distribution:								
Male.....	95.6	92.7	91.2	93.3	96.3	93.6	97.5	97.4
Female.....	4.4	7.3	8.8	6.7	3.7	6.4	2.5	2.6
White.....	49.7	54.2	63.2	50.7	48.6	56.9	44.9	47.1
Black.....	46.9	42.0	33.3	45.6	48.0	40.6	51.6	48.9
Other races.....	3.4	3.6	3.5	3.7	3.4	2.6	3.5	4.0
Median age (years).....	28	29	29	28	28	27	29	28
Median age at first arrest (years).....	17	22	23	22	16	17	16	15
Median age at first confinement (years).....	19	24	25	24	18	19	17	19
Average number of months served on current confinement.....	27.3	21.9	21.0	30.6	20.6	19.6	20.7	32.1

¹ An individual who has been previously sentenced to probation or incarceration as a juvenile or adult.

Source: U.S. Bureau of Justice Statistics, *Profiles of State Prison Inmates, 1986*, January 1988.

NO. 327. ADULTS UNDER CORRECTIONAL SUPERVISION, BY STATE: 1987

[In thousands, except rate. As of Dec. 31. Excludes juveniles, persons incarcerated in mental health institutions in lieu of prison, persons held by the armed services, persons held on Indian reservations, parolees under county jurisdiction, parolees whose sentences were for 1 year or less, and court probationers (those not placed under the supervisory authority of a probation agency). For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	Total ¹	Rate ²	Prison ³	Parole ⁴	Probation ⁵	DIVISION AND STATE	Total ¹	Rate ²	Prison ³	Parole ⁴	Probation ⁵
U.S. ⁶....	3,410.5	190	584.4	362.2	2,242.1	S.A.—Con.	98.9	200	13.5	8.1	72.8
Regions:						MD.....	25.1	516	7.6	3.8	10.8
Northeast.....	636.5	166	90.8	91.1	418.3	VA.....	43.2	97	13.3	6.3	17.9
Midwest.....	679.6	155	110.8	46.5	483.1	WV.....	7.7	55	1.5	8	4.4
South.....	1,339.2	218	222.8	141.5	886.3	NC.....	89.3	184	17.2	4.6	62.9
West.....	628.3	173	111.7	64.5	394.5	SC.....	42.2	170	12.7	3.2	23.6
N.E.C.	192.6	196	18.2	5.7	184.2	GA.....	150.2	335	16.6	10.0	110.5
ME.....	6.5	73	1.3	-	4.6	FL.....	202.8	218	32.4	2.9	153.2
NH.....	6.1	77	.9	.6	4.2	E.S.C.	133.5	120	33.8	19.5	63.7
VT.....	6.6	160	.8	.2	5.6	KY.....	20.6	75	6.4	3.3	7.2
MA.....	111.6	247	6.3	4.0	98.1	TN.....	49.3	137	7.6	9.3	26.4
RI.....	10.0	132	1.4	.4	8.2	AL.....	44.1	149	12.8	3.4	23.4
CT.....	51.6	210	7.5	.5	43.7	MS.....	19.6	107	6.9	3.5	6.8
M.A.	444.0	156	72.7	85.4	254.0	W.S.C.	533.9	260	69.3	80.2	357.0
NY.....	201.1	149	40.8	31.2	113.2	AR.....	24.4	140	5.4	3.9	13.5
N.J.	93.0	159	15.5	15.7	55.8	LA.....	61.4	195	15.4	7.2	30.3
PA.....	149.9	165	16.3	38.4	85.1	OK.....	37.1	156	9.6	1.8	23.6
E.N.C.	488.8	162	84.9	33.0	351.0	TX.....	411.0	348	38.8	67.3	289.7
OH.....	108.8	137	24.2	6.0	71.5	MT.....	108.2	117	28.3	9.5	61.4
IN.....	74.3	183	10.8	3.1	57.0	MT.....	5.4	92	1.2	.6	3.2
IL.....	124.6	146	19.9	13.6	82.3	ID.....	6.8	98	1.4	.6	4.1
MI.....	151.9	225	23.9	6.4	114.0	WY.....	3.4	100	.9	.4	1.8
WI.....	39.3	111	6.1	4.0	26.2	CO.....	23.7	98	4.8	1.7	14.5
W.N.C.	180.8	139	26.0	13.5	132.1	NM.....	9.2	88	2.7	1.2	4.0
MN.....	50.3	160	2.5	1.4	44.4	AZ.....	38.7	157	10.9	2.2	22.6
IA.....	18.4	87	2.9	2.0	12.7	UT.....	9.8	93	1.9	1.1	5.8
MO.....	62.3	164	11.1	6.4	41.1	N.V.....	12.3	163	4.4	1.6	5.3
ND.....	2.4	50	.4	.2	1.6	Pac.	519.1	195	83.4	65.0	333.1
SD.....	4.5	88	1.1	.5	2.6	WA.....	78.6	233	8.1	10.4	58.4
NE.....	14.9	127	2.1	.5	11.5	OR.....	32.9	161	5.5	2.1	23.0
KS.....	28.0	153	5.8	2.7	18.2	CA.....	389.8	192	67.0	41.3	239.9
S.A.	671.7	216	119.7	41.8	465.5	AK.....	5.6	159	2.5	.1	2.9
DE.....	13.3	277	2.9	1.1	9.3	HI.....	12.2	153	2.3	1.0	8.9

Represents zero. ¹ Includes persons in jail not shown separately. ² Rate per 10,000 persons 18 years old and over.

³ Includes all inmates of Federal and State institutions. ⁴ Includes all adults under State parole supervision, whether released from prison via parole board decision or mandatory release, who were sentenced to more than 1 year in prison. ⁵ Includes all adults who, as part of a State, or local court order, have been placed under the supervisory authority of a probation agency.

⁶ Includes both State and Federal.

Source: U.S. Bureau of Justice Statistics, *Probation and Parole*, annual; *Prisoners in State and Federal Institutions on December 31*, annual; and *Correctional Populations in the United States*, annual.

Prisoners Under Jurisdiction of Correctional Authorities

189

 NO. 328. PRISONERS UNDER JURISDICTION OF STATE AND FEDERAL CORRECTIONAL AUTHORITIES—
SUMMARY, BY STATE: 1980 TO 1988

[For years ending Dec. 31, except as noted]

SEX, REGION, DIVISION AND STATE	1980	1985	1986	1987	1988		SENTENCED TO MORE THAN ONE YEAR			Rate per 100,000 population *	
					Total prisoners	Prisoners as percent of capacity †	1985	1987	1988		
									Total		
U.S.	329,821	593,271	546,133	584,435	627,402	117	481,393	560,459	603,928	244	
Male	316,401	480,147	518,478	555,371	594,711	(NA)	459,924	532,521	572,502	476	
Female	13,420	23,124	26,655	29,064	32,691	(NA)	21,459	26,938	30,426	24	
Federal institutions *	24,363	40,223	44,408	48,300	49,928	157	32,693	39,523	42,738	17	
State institutions	305,458	463,048	500,725	536,135	577,474	115	448,698	520,936	561,190	227	
Region:											
Northeast	45,796	75,706	82,364	90,815	99,146	117	72,656	87,168	94,770	187	
Midwest	66,211	95,704	102,984	110,846	120,415	121	95,245	110,463	120,008	200	
South	146,358	202,926	214,620	222,778	233,333	106	195,868	215,755	226,444	286	
West	47,093	88,712	100,777	111,696	124,580	127	84,929	107,550	119,968	234	
N. Eng.	9,926	15,432	16,694	18,158	19,771	130	12,490	14,532	15,412	118	
ME	814	1,226	1,316	1,328	1,297	137	967	1,267	1,214	100	
NH	326	683	782	867	1,019	130	683	867	1,019	93	
VT ^s	480	677	697	759	811	130	443	505	544	97	
MA ^d	3,185	5,390	5,636	6,265	6,733	173	5,390	6,265	6,733	114	
RI ^s	813	1,307	1,358	1,428	1,906	125	964	991	1,179	118	
CT ^s	4,208	6,149	6,905	7,511	8,005	108	4,043	4,637	4,723	146	
Mid. Atl.	35,870	60,274	65,870	72,657	79,375	114	60,168	72,636	79,358	210	
NY	21,815	34,712	38,449	40,842	44,580	105	34,712	40,842	44,560	248	
NJ	5,884	8,115	10,355	12,020	15,548	119	11,335	15,548	16,036	219	
PA	8,171	14,227	15,201	16,267	17,879	138	14,119	16,246	17,862	148	
E. No. Cent.	51,176	72,599	78,533	84,873	92,601	126	72,280	84,683	92,340	219	
OH	13,489	20,864	22,463	24,220	26,113	141	20,864	24,220	26,113	240	
IN ^s	6,683	9,904	10,175	10,827	11,406	110	9,615	10,634	11,271	202	
IL ^e	11,899	16,634	19,456	19,850	21,081	115	18,634	19,850	21,081	181	
MI ^s	15,124	17,755	20,742	23,879	27,714	129	17,755	23,879	27,714	299	
WI	3,980	5,442	5,697	6,097	6,287	134	5,412	6,080	6,161	126	
W. No. Cent.	15,036	23,105	24,431	25,973	27,814	106	22,965	25,800	27,668	155	
MN	2,001	2,343	2,482	2,546	2,799	94	2,343	2,546	2,799	64	
IA ^d	2,481	2,832	2,777	2,851	3,034	105	2,832	2,851	3,034	107	
MO	5,726	9,915	10,309	11,146	12,354	97	9,915	11,146	12,354	239	
ND	253	422	421	430	466	90	375	380	414	62	
SD	635	1,047	1,164	1,133	1,020	89	1,035	1,133	1,020	143	
NE	1,446	1,814	1,953	2,086	2,205	134	1,733	1,963	2,111	131	
KS	2,494	4,732	5,345	5,781	5,936	138	4,732	5,781	5,936	237	
So. Atl.	76,815	108,228	116,153	119,735	126,122	109	101,620	113,098	119,820	279	
DE ^s	1,474	2,553	2,823	2,839	3,166	126	1,759	2,116	2,359	354	
MD	7,731	13,005	13,326	13,487	14,276	110	12,303	12,912	13,672	291	
DC ^s *	3,145	6,404	6,618	7,645	8,705	113	4,604	5,614	6,340	1,031	
VA	6,920	12,073	12,930	13,321	14,184	115	11,717	12,931	13,928	230	
WV	1,257	1,725	1,492	1,461	1,458	91	1,725	1,461	1,458	78	
NC ^s	15,513	17,344	17,698	17,218	17,069	102	16,007	16,118	16,326	250	
SC	7,862	10,510	11,676	12,664	13,745	125	9,908	11,862	12,938	370	
GA ^s	12,178	16,014	17,363	18,575	18,787	109	15,115	17,724	18,018	281	
FL ^s	20,735	28,600	32,237	32,445	34,732	102	28,482	32,380	34,681	278	
E. So. Cent.	21,055	30,335	31,336	33,767	34,658	101	29,885	33,381	34,271	223	
KY	3,588	5,801	5,288	6,436	7,119	95	5,801	6,436	7,119	191	
TN	7,022	7,127	7,591	7,624	7,491	97	7,127	7,624	7,491	152	
AL	6,543	11,015	11,710	12,827	12,610	113	10,749	12,602	12,557	300	
MS	3,902	6,392	6,747	6,880	7,438	99	6,208	6,719	7,304	279	
W. So. Cent.	46,488	64,363	67,131	69,276	72,553	104	64,363	69,276	72,553	270	
AR	2,911	4,611	4,701	5,441	5,519	100	4,611	5,441	5,519	230	
LA	8,889	13,890	14,300	15,375	16,149	100	13,890	15,375	16,149	368	
OK	4,796	8,330	9,596	9,639	10,448	142	8,330	9,639	10,448	323	
TX ^s	29,892	37,532	39,534	38,821	40,437	100	37,532	38,821	40,437	240	
MT	13,141	22,788	25,260	28,112	31,847	108	22,329	27,822	31,009	231	
ID	817	1,294	1,448	1,435	1,548	124	1,120	1,187	1,272	158	
WY	534	758	855	916	962	101	758	916	962	154	
CO	2,629	3,389	3,804	4,808	5,997	125	3,389	4,808	5,997	181	
NM	1,279	2,313	2,416	2,710	2,825	106	2,112	2,626	2,723	160	
AZ ^s	4,372	8,531	9,434	10,948	12,158	99	8,273	10,558	11,639	329	
UT	932	1,633	1,845	1,874	2,004	84	1,623	1,858	1,987	117	
NV	1,839	3,771	4,367	4,434	4,881	117	3,771	4,434	4,881	452	
Pac.	33,952	65,914	76,497	83,384	92,933	135	62,600	79,728	88,959	235	
WA	4,399	6,909	6,603	6,131	5,816	95	6,909	6,131	5,816	124	
OR	3,177	4,454	4,770	5,482	5,991	156	4,454	5,482	5,991	215	
CA ^s	24,569	50,111	59,484	66,975	76,171	140	48,279	64,812	73,780	257	
AK ^s	822	2,329	2,460	2,528	2,588	93	1,530	1,767	1,862	355	
HI ^s	985	2,111	2,180	2,268	2,367	124	1,428	1,536	1,510	136	

NA Not available. * States can report three estimates of prison capacity: rated, operational, and design. Some States report fewer estimates or the same number for all estimates. Excludes persons housed in local jails. Average estimate used to calculate percent of capacity. ^a Unpublished Bureau of the Census estimates as of July 1, 1988, for the resident population were used to calculate capacity rates. ^b Includes persons held under other jurisdiction, not shown separately. ^c Capacity figures for males only.

^d Includes both jail and prison inmates (State has combined jail and prison system). ^e Numbers are custodial, not jurisdictional counts. ^f Includes an undetermined number of prisoners with sentences shorter than 1 year. ^g Jurisdiction counts exclude prisoners held in jails because of crowding.

Source: U.S. Bureau of Justice Statistics, *Prisoners in 1988*, and earlier reports.

Law Enforcement, Courts, and Prisons

NO. 329. AVERAGE TIME SERVED BY PRISONERS RELEASED FROM FEDERAL INSTITUTIONS FOR FIRST TIME, 1970 TO 1986, AND BY OFFENSE, 1986

[For fiscal years ending in year shown; see text, section 9. In computing averages, sentences to life and more than 45 years were counted as 45 years; minority sentences of juvenile delinquents were counted from date of sentence to 21st birthday]

YEAR AND OFFENSE	ALL FIRST RELEASES ¹			PAROLE ²		EXPIRATION OF SENTENCE ^{1 & 2}		YCA ³ RELEASES			
	Number	Average time (month)		Number	Average time (month)		Number	Average time (month)			
		Sentence	Served		Sentence	Served		Sentence	Served		
1970, all offenses.....	8,487	38.6	19.7	2,754	55.0	20.0	5,733	30.7	19.6	947	21.7
1975, all offenses.....	11,313	39.8	18.5	4,367	73.7	27.8	6,946	18.5	12.6	1,136	21.6
1976, all offenses.....	10,463	32.3	15.1	3,114	74.3	26.9	7,349	14.4	10.1	958	19.7
1977, all offenses.....	10,953	30.7	15.5	2,688	70.8	28.5	8,265	17.7	12.0	1,038	21.9
1978, all offenses.....	12,132	37.2	18.7	3,318	78.5	30.0	8,814	21.6	14.4	1,172	24.7
1979, all offenses.....	10,925	44.1	21.0	3,766	85.1	32.6	7,159	22.4	14.9	1,008	25.3
1980, all offenses.....	9,069	33.9	15.9	2,440	83.8	31.0	6,629	15.5	10.3	468	24.5
1981, all offenses.....	9,884	41.0	17.9	3,495	83.9	30.2	6,389	17.6	11.1	650	25.0
1982, all offenses.....	11,348	36.6	16.3	3,554	81.7	29.1	7,794	16.0	10.5	593	21.8
1983, all offenses.....	11,896	35.4	15.9	4,263	69.8	27.0	7,633	16.3	9.7	545	20.0
1984, all offenses.....	15,050	35.5	15.6	4,635	76.2	26.4	10,415	17.4	10.8	552	20.2
1985, all offenses.....	14,937	35.5	15.9	4,511	76.6	26.6	10,426	17.7	11.3	453	21.5
1986, all offenses ⁴	16,996	34.0	16.6	4,657	76.6	26.7	12,339	18.0	11.4	293	24.0
Counterfeiting.....	270	33.6	15.9	94	55.5	19.5	178	21.9	14.0	6	25.0
Drug laws.....	4,793	49.2	18.5	1,961	68.7	24.4	2,832	25.6	16.1	86	20.6
Embezzlement.....	333	23.8	11.4	91	51.1	19.1	242	13.6	8.4	5	15.2
Escape, flight, or harboring a fugitive.....	111	30.5	18.9	21	47.1	22.3	90	26.7	18.1	5	15.0
Firearms.....	654	32.7	17.7	124	65.3	25.2	530	25.0	16.0	12	23.9
Forgery.....	470	29.0	14.8	171	49.1	19.9	299	17.6	11.9	11	19.2
Fraud.....	1,247	27.8	13.6	368	54.7	20.1	881	16.6	10.8	5	26.4
Immigration.....	4,015	5.8	3.7	206	39.1	14.6	3,809	4.0	3.1	4	20.2
Income tax.....	359	18.3	10.3	85	36.5	14.4	274	12.6	9.0	-	-
Kidnapping.....	29	251.6	85.7	19	327.0	109.5	10	108.3	40.5	5	37.6
Larceny-theft.....	1,330	36.9	18.3	467	59.8	23.1	863	24.5	15.8	32	17.7
Motor vehicle, interstate.....	225	45.4	22.1	102	56.0	21.7	123	36.7	22.4	6	19.0
Robbery.....	866	128.5	46.5	518	165.6	50.5	348	73.3	40.5	64	25.4
Securities, transporting false.....	31	55.9	40.6	8	126.0	43.3	23	31.5	15.5	-	-
White slave traffic.....	5	48.0	26.0	2	42.0	15.0	3	52.0	33.3	1	8.0
Military court-martial cases.....	11	150.7	66.0	6	185.0	64.3	5	109.6	68.2	-	-
Govt. reservation, high seas, territories, and DC.....	1,070	31.0	14.5	172	105.5	34.6	898	16.7	10.7	38	33.3

¹ Represents zero. ² Excludes prisoners sentenced under Youth Corrections Act. ³ Includes mandatory release. ⁴ Youth Corrections Act. ⁴ Includes other offenses not shown separately. Excludes 437 first releases (escapes, pardons, etc.) other than by parole, expiration of sentence, and mandatory release; also excludes 608 second or subsequent releases.

Source: U.S. Bureau of Prisons, *Statistical Report*, annual.

NO. 330. PRISONERS UNDER SENTENCE OF DEATH: 1980 TO 1988

[As of December 31. Excludes prisoners under sentence of death who remained within local correctional systems pending exhaustion of appellate process or who had not been committed to prison. These data may not match data in table 325 because of revisions to totals, but not to characteristics other than race.]

CHARACTERISTIC	1980	1985	1986	1987	1988	CHARACTERISTIC	1980	1985	1986	1987	1988
Total.....	714	¹ 1,575	1,761	¹ 1,967	2,124	Marital status:					
White.....	427	896	1,006	1,128	1,238	Never married.....	268	655	772	856	898
Black and other.....	287	679	775	839	886	Married.....	229	487	525	571	594
Under 20 years.....	11	13	19	10	11	Divorced ²	217	449	484	557	632
20-24 years.....	173	212	217	222	195	Time elapsed since sentencing:					
25-34 years.....	334	804	872	969	1,048	Less than 12 months.....	185	273	293	295	293
35-54 years.....	186	531	639	744	823	12-47 months.....	389	739	757	804	812
55 years and over.....	10	31	34	39	47	48-71 months.....	102	303	378	412	409
Years of school completed:						72 months and over.....	38	276	355	473	610
7 years or less.....	68	147	164	181	180	Legal status at arrest:					
8 years.....	74	159	174	183	184	Not under sentence.....	384	861	992	1,123	1,207
9-11 years.....	204	483	577	650	692	Parole or probation.....	115	³ 350	³ 409	³ 480	³ 545
12 years.....	162	440	515	591	657	Prison or escaped.....	45	81	82	91	93
More than 12 years.....	43	127	143	166	190	Unknown.....	170	299	298	290	279
Unknown.....	163	235	208	211	231						

¹ Revisions to the total number of prisoners were not carried to the characteristics except for race. ² Includes persons married but separated, widows, widowers, and unknown. ³ 1985 and 1986, include 20 persons; 1987, includes 22 persons and 1988, includes 24 persons on mandatory conditional release, work release, leave, AWOL, or bail.

Source: U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

Prisoners—Capital Punishment

191

NO. 331. MOVEMENT OF PRISONERS UNDER SENTENCE OF DEATH: 1975 TO 1988

[Prisoners reported under sentence of death by civil authorities. The term "under sentence of death" begins when the court pronounces the first sentence of death for a capital offense. As a result of a major procedural change, beginning 1978, all data except executions are not strictly comparable to corresponding data in 1975. See source for explanation.]

STATUS	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Under sentence of death, Jan. 1	244	423	483	595	697	865	1,072	1,216	1,420	1,575	1,800	1,967
Received death sentence ¹	322	210	173	203	250	287	263	296	281	297	299	296
White.....	145	123	104	125	131	168	156	173	165	164	190	196
Black.....	174	85	67	77	115	117	105	119	114	123	106	91
Dispositions other than executions.....	78	150	59	101	82	76	117	69	108	73	90	128
Executions.....	-	-	2	-	1	2	5	21	18	18	25	11
Under sentence of death, Dec. 31 ¹	488	483	595	697	864	1,073	1,214	1,420	1,575	1,791	1,967	2,124
White.....	218	281	354	425	499	615	694	809	896	1,006	1,128	1,259
Black.....	262	198	238	268	357	446	508	595	664	750	813	853

- Represents zero. ¹ Includes races other than White or Black.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

NO. 332. PRISONERS EXECUTED UNDER CIVIL AUTHORITY: 1930 TO 1988

[Excludes executions by military authorities. The Army (including the Air Force) carried out 160 (148 between 1942 and 1950, 3 each in 1954, 1955, and 1957, and 1 each in 1958, 1959, and 1961). Of the total, 106 were executed for murder (including 21 involving rape), 53 for rape, and 1 for desertion. The Navy carried out no executions during the period. See also *Historical Statistics, Colonial Times to 1970*, series H 1155-1167]

YEAR OR PERIOD	Total ¹	White	Black	EXECUTED FOR MURDER			EXECUTED FOR RAPE			OTHER OFFENSES ²			
				Total ¹	White		Black	Total ¹	White		Black	Total ¹	
					Total	White			Total	White			
All years.....	3,909	1,784	2,083	3,384	1,897	1,647	-	455	48	406	70	39	31
1930-1939.....	1,667	827	816	1,514	803	687	-	125	10	115	28	14	14
1940-1949.....	1,284	490	791	1,064	458	595	-	200	19	179	20	13	7
1950-1959.....	717	336	376	601	316	280	-	102	13	89	14	7	5
1960-1964.....	181	90	91	145	79	66	-	28	6	22	8	5	3
1965-1967.....	10	8	2	10	8	2	-	-	-	-	-	-	-
1968-1976.....	-	-	-	-	-	-	-	-	-	-	-	-	-
1977-1980.....	3	3	-	3	3	-	-	-	-	-	-	-	-
1981.....	1	1	-	1	1	-	-	-	-	-	-	-	-
1982.....	2	1	1	2	1	1	-	-	-	-	-	-	-
1983.....	5	4	1	5	4	1	-	-	-	-	-	-	-
1984.....	21	13	8	21	13	8	-	-	-	-	-	-	-
1985.....	18	11	7	18	11	7	-	-	-	-	-	-	-
1986.....	18	11	7	18	11	7	-	-	-	-	-	-	-
1987.....	25	13	12	25	13	12	-	-	-	-	-	-	-
1988.....	11	6	5	11	6	5	-	-	-	-	-	-	-

- Represents zero. ¹ Includes races other than White or Black. ² 25 armed robbery, 20 kidnapping, 11 burglary, 8 espionage (6 in 1942 and 2 in 1953), and 6 aggravated assault.

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Correctional Projections in the United States*, annual.

NO. 333. PRISONERS UNDER SENTENCE OF DEATH AND EXECUTED UNDER CIVIL AUTHORITY—STATES: 1940 TO 1988

[No executions took place in Maine, Michigan, Minnesota, New Hampshire, North Dakota, Rhode Island, and Wisconsin from 1940 to 1987. Maine, Minnesota, and Wisconsin never authorized the death penalty during the period. New Hampshire and Rhode Island authorized it for most of the 4 decades but did not apply it. Michigan abolished the penalty in 1963, and North Dakota allowed the punishment statute to lapse in 1975. Alaska and Hawaii could enter these data after receiving statehood in 1959, but neither has authorized the death penalty]

STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 ¹	1980 to 1988 ²	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 ¹	1980 to 1988 ²	STATE	1940 to 1949	1950 to 1959	1960 to 1969	1970 to 1979 ¹	1980 to 1988 ²
Total ³	1,284	717	191	3	101	IA.....	7	1	2	-	-	OH.....	51	32	7	-	-
AL.....	50	20	5	-	3	KS.....	5	5	5	-	-	OK.....	13	7	6	-	-
AZ.....	9	8	4	-	-	KY.....	34	16	1	-	-	OR.....	12	4	1	-	-
AR.....	38	18	9	-	-	LA.....	47	27	1	-	-	PA.....	36	31	3	-	-
CA.....	80	74	30	-	-	MD.....	45	6	1	-	-	SC.....	61	26	8	-	2
CO.....	13	3	6	-	-	MA.....	9	-	-	-	-	SD.....	1	-	-	-	-
CT.....	10	5	1	-	-	MS.....	60	36	10	-	-	TN.....	37	8	1	-	-
DE.....	4	-	-	-	-	MO.....	15	7	4	-	-	TX.....	74	74	29	-	29
DC.....	16	4	-	-	-	NE.....	2	2	-	-	-	UT.....	4	6	1	1	2
FL.....	65	49	12	1	18	NV.....	10	9	2	-	-	VT.....	1	2	-	-	-
GA.....	130	85	14	-	13	NJ.....	14	17	3	-	-	VA.....	35	23	6	-	7
ID.....	-	3	2	-	-	NM.....	2	3	1	-	-	WA.....	16	6	2	-	-
IL.....	18	9	2	-	-	NY.....	114	52	10	-	-	WV.....	11	9	-	-	-
IN.....	7	2	1	-	2	NC.....	112	19	1	-	3	WY.....	2	-	1	-	-

- Represents zero. ¹ One execution in 1977, none in 1978, and two in 1979. ² No executions in 1980, one in 1981, two in 1982, five in 1983, 21 in 1984, 18 in 1985 and 1986, 25 in 1987, and 11 in 1988. ³ Includes 23 Federal executions not shown by State (1940-1949, 13; 1950-1959, 9; and 1960-1969, 1).

Source: Through 1978, U.S. Law Enforcement Assistance Administration; thereafter, U.S. Bureau of Justice Statistics, *Capital Punishment*, annual.

Law Enforcement, Courts, and Prisons

NO. 334. FIRE LOSSES—TOTAL AND PER CAPITA: 1946 TO 1988

[Prior to 1962, excludes Alaska and Hawaii. Includes allowance for uninsured and unreported losses but excludes losses to government property and forests. Based on paid losses through 1953, incurred losses thereafter]

YEARLY AVERAGE	Total (mil. dol.)	YEAR	Total (mil. dol.)	Per capita ¹	YEAR	Total (mil. dol.)	Per capita ¹	YEAR	Total (mil. dol.)	Per capita ¹
1946-1950.....	643	1960.....	1,108	\$6.19	1972.....	2,304	\$11.01	1980.....	5,579	\$24.55
1951-1955.....	833	1965.....	1,456	7.51	1973.....	2,639	12.49	1981.....	5,825	24.50
1956-1960.....	1,045	1966.....	1,487	7.84	1974.....	3,180	14.95	1982.....	5,894	25.41
1961-1965.....	1,341	1967.....	1,707	8.66	1975.....	3,180	14.81	1983.....	6,320	26.98
1966-1970.....	1,863	1968.....	1,830	9.20	1976.....	3,558	16.35	1984.....	7,602	32.15
1971-1975.....	2,728	1969.....	1,952	9.71	1977.....	3,764	17.13	1985.....	7,753	32.47
1976-1980.....	4,352	1970.....	2,328	11.41	1978.....	4,008	18.05	1986.....	8,488	35.21
1981-1985.....	6,639	1971.....	2,316	11.20	1979.....	4,851	21.60	1987.....	8,634	35.44
1986-1988.....	8,921							1988.....	8,626	39.12

¹ Based on Bureau of the Census estimated resident population as of July 1.

Source: 1946-1964, National Board of Fire Underwriters, New York, NY, *Report of the Committee on Statistics and Origin of Losses*; thereafter, Insurance Information Institute, New York, NY, *Insurance Facts*, annual.

NO. 335. FIRES—NUMBER AND LOSS, BY TYPE AND PROPERTY USE: 1980 TO 1987

[Based on annual sample survey of fire departments. No adjustments were made for unreported fires and losses. Property loss includes direct property loss only]

TYPE AND PROPERTY USE	NUMBER (1,000)							PROPERTY LOSS (mil. dol.)						
	1980	1982	1983	1984	1985	1986	1987	1980	1982	1983	1984	1985	1986	1987
Fires, total.....	2,988	2,538	2,327	2,343	2,371	2,271	2,330	6,254	6,432	6,598	6,707	7,324	6,709	7,159
Structure.....	1,065	946	869	848	860	800	758	5,454	5,731	5,826	5,891	6,437	5,837	6,226
Outside of structure ¹	87	54	49	45	51	50	55	61	52	35	29	63	56	64
Brush and rubbish.....	1,115	832	756	790	832	795	862	-	-	-	-	-	-	-
Vehicle.....	472	443	447	455	456	456	471	685	591	694	749	792	783	842
Other.....	249	283	206	205	172	170	184	54	58	43	38	32	33	27
Structure by property use:														
Public assembly.....	29	28	25	24	24	23	21	326	381	354	336	462	356	300
Educational.....	20	17	11	12	13	12	11	101	161	103	122	114	123	96
Institutional.....	28	29	23	22	23	22	19	25	17	14	18	17	18	141
Stores and offices.....	62	56	50	49	49	45	45	645	510	686	654	654	661	632
Residential.....	758	676	642	623	622	581	552	3,042	3,253	3,306	3,440	3,774	3,556	3,689
1-2 family units ³	591	539	524	506	502	468	433	2,447	2,794	2,792	2,945	3,217	2,992	3,078
Apartments.....	143	117	102	99	104	97	104	401	353	413	417	478	472	521
Hotels and motels.....	12	10	9	9	8	8	8	154	84	64	50	56	70	80
Other residential.....	12	11	7	9	8	8	7	40	22	37	28	25	22	20
Storage ⁴	65	54	48	48	52	46	48	512	584	473	536	683	450	633
Industry, utility, defense ⁴	55	42	36	35	36	34	28	672	663	763	631	572	536	596
Special structures.....	48	44	34	35	41	37	34	131	162	127	154	161	137	129

¹ Represents zero. ² Includes outside storage, crops, timber, etc. ³ Includes mobile homes. ⁴ Data underreported as some incidents were handled by private fire brigades or fixed suppression systems which do not report.

Source: National Fire Protection Association, Quincy, MA, "U.S. Fire Loss in 1987", *Fire Journal*, September 1988 (and prior issues). Copyright © 1988.

NO. 336. FIRES AND PROPERTY LOSS FOR INCENDIARY AND SUSPICIOUS FIRES; AND CIVILIAN FIRE DEATHS AND INJURIES BY SELECTED PROPERTY TYPE: 1980 TO 1987

[Based on sample survey of fire departments]

ITEM	1980	1985	1986	1987	ITEM	1980	1985	1986	1987
NUMBER (1,000)									
Structure fires, total.....	1,065	860	800	758	CIVILIAN FIRE DEATHS				
Structure fires of incendiary or suspicious origin.....	146	117	111	105	Deaths, total ²	6,505	6,185	5,850	5,810
Fires of incendiary origin.....	92	69	71	66	Residential property.....	5,446	5,025	4,770	4,660
Fires of suspicious origin.....	54	48	40	39	One- and two-family dwellings.....	4,175	4,020	4,005	3,780
PROPERTY LOSS ¹ (mil. dol.)					Apartments.....	1,025	865	650	790
Structure fires, total.....	5,464	6,437	5,837	6,226	Vehicles.....	740	825	735	805
Structure fires of incendiary or suspicious origin.....	1,760	1,670	1,677	1,590	CIVILIAN FIRE INJURIES				
Fires of incendiary origin.....	1,158	1,069	1,162	1,109	Injuries, total ²	30,200	28,425	26,825	28,215
Fires of suspicious origin.....	602	601	515	481	Residential property.....	21,000	19,825	19,025	20,440
					One- and two-family dwellings.....	16,100	15,250	14,650	15,200
					Apartments.....	3,600	3,925	3,925	4,765
					Vehicles.....	4,075	3,600	3,125	3,150

¹ Direct property loss only. ² Includes other not shown separately.

Source: National Fire Protection Association, Quincy, MA, "U.S. Fire Loss in 1987", *Fire Journal*, September 1988 (and prior issues). Copyright © 1988.

Section 6

Geography and Environment

This section presents a variety of information on the physical environment of the United States, starting with basic area measurement data and ending with climatic data for selected weather stations around the country. The subjects covered between those points are mostly concerned with environmental trends, but include such related subjects as land use and ownership, water consumption, hazardous waste sites, threatened and endangered wildlife, and expenditures for pollution abatement and control.

The information in this section is selected from a wide range of Federal agencies that compile the data for various administrative or regulatory purposes, such as the Environmental Protection Agency, Geological Survey, National Oceanic and Atmospheric Administration, and General Services Administration. Other agencies include the Bureau of the Census, which presents nationwide area measurement information; the Council on Environmental Quality (CEQ), which presents data on environmental conditions and pollutants in its annual report; and the Bureau of Economic Analysis, which compiles data on pollution abatement and control expenditures.

Area.—Area measurements were first conducted for the United States as a whole, and gradually were extended to the individual States. The annual report of the U.S. General Land Office for 1850 contained the first reference to measurements of areas of the States and Territories. In 1881, as part of the 1880 Census of Population, the Bureau of the Census laid the foundation for accurate and detailed area measurement in the United States. For the first time, an account was given of the methods and maps employed, the water bodies included, and the outer limits of the United States used as a basis for measurement. As part of the 1940 census, the Bureau published *Areas of the United States: 1940*, in which data were presented on the total land and inland water areas of the States, counties, places, and minor civil divisions. Since the 1940 census, the Bureau has published area measurement figures in each succeeding census. In 1964, the Bureau undertook a new measurement of the areas of places with at least 1,000 inhabitants, minor civil divisions, and census county divisions of the 1960 census. The results were published in *Area Measurement Reports*, series GE-20, a series of State reports and a U.S. summary. For 1980, the areas of all States and counties were completely remeasured, using newer large-scale maps and more modern equipment. The land area results for these areas are published in *1980 Census of Population*, vol. 1, chapter A reports (series PC80-1-A). Data for places and selected minor civil divisions with a population of 2,500 and over, metropolitan areas, and urbanized areas as well as States and counties are contained in the U.S. summary report. Data for States, counties, and the selected places and MCDs also are available on public use tape *Master Area Reference File* (MARF) 2.

Geography.—The Geological Survey conducts investigations, surveys, and research in the fields of geography, geology, topography, geographic information systems, mineralogy, hydrology, and geothermal energy resources as well as natural hazards. In cooperation with State and local agencies, the Geological Survey prepares and publishes topographic, land use/land cover, geologic, and hydrologic maps and data compilations. The Geological Survey provides United States cartographic data through the Earth Sciences Information Center, water resources data through a multi-volume *Catalog of Information on Water Data*, and a variety of research and Open-File reports which are announced monthly in *New Publications of the Geological Survey*. In a joint project with the Census Bureau, the Geological Survey has provided the basic information on geographic features for input into a national cartographic data base and files being prepared by the Census Bureau called TIGER (Topologically Integrated Geographic Encoding and Referencing).

The National Ocean Service, a division of NOAA, is responsible for coastal and geodetic surveys and measurement of certain physical phenomena. Currently, its primary functions are to provide charts for marine and air navigation, to maintain a basic network of geodetic control, and to compile other basic data for engineering, scientific, commercial, industrial, and defense needs.

An inventory of the nation's land resources by type of use/cover was conducted by the Soil Conservation Service in 1982. The results, published in the *1982 National Inventory of Land Resources*, cover all non-Federal land in Puerto Rico, the Virgin Islands, and the U.S. except Alaska. Data for 1987 are forthcoming in 1990.

Maps prepared by the Bureau of the Census show boundaries of various types of political and statistical areas, such as places, county subdivisions, census tracts, and urbanized areas and are

available as of the specific decennial census. An inventory of most of these areas was published for the 1980 Census in *Geographic Identification Code Scheme* (PHC80-R5) and for the 1982 economic censuses in *Geographic Reference Manual* (EC82-R-1). The Census Bureau maintains a current inventory of political units and, for many entities, their legal boundaries through its Boundary and Annexation Survey.

Environment.—The CEQ is responsible for overseeing the environmental assessment process, recommending national environmental policies, analyzing changes and trends in the environment, and for reviewing Federal programs affecting the environment. It reports on environmental conditions, trends, programs and activities in its annual publication, *Environmental Quality*. The CEQ has also published unique compilations of environmental data in *Environmental Statistics, 1979*, and has recently published a new edition of *Environmental Trends*. The principal Federal agency responsible for pollution abatement and control activities is the Environmental Protection Agency (EPA). It is responsible for establishing and monitoring national air quality standards, water quality activities, solid and hazardous waste disposal, and control of toxic substances.

Air sampling, conducted by the Public Health Service, began in 17 communities in 1953; in 1957 the National Air Surveillance Network was established and, by the late 1960's, covered approximately 260 urban and 30 rural stations. The operation of the stations was decentralized in 1972 to the 10 regional EPA offices and many of the stations were in turn assimilated into State and locally operated air monitoring networks. The Network determines the extent and nature of air pollution and studies trends in levels of atmospheric contaminants.

National Ambient Air Quality Standards (NAAQS) for suspended particulate matter, sulfur dioxide, photochemical oxidants, carbon monoxide, and nitrogen dioxide were originally set by the EPA in April 1971. Every 5 years each of the NAAQS are reviewed and revised if new health or welfare data indicates that a change is necessary. The standard for photochemical oxidants now called ozone was revised in February 1979. Also, a new NAAQS for lead was promulgated in October 1978. Table 349 gives some of the health-related standards for the six air pollutants having NAAQS. Responsibility for demonstrating compliance with or progress toward achieving these standards lies with the State agencies. There are 1,441 non-Federal sampling stations for suspended particulates, 603 for sulfur dioxide, 367 for carbon monoxide, 522 for ozone, 199 for nitrogen dioxide, and 394 for lead. Data from these State networks are periodically submitted to EPA's National Aerometric Data Bank for summarization in annual reports on the nationwide status and trends in air quality; for details, see *National Air Quality and Emissions Trends Report, 1987*.

Pollution abatement and control expenditures.—Data on expenditures for pollution abatement and control are compiled and published by the U.S. Bureau of Economic Analysis (BEA), the U.S. Bureau of the Census, and the CEQ as part of ongoing programs. BEA conducts surveys on national expenditures for pollution abatement and control and presents the data in its *Survey of Current Business*. The U.S. Bureau of the Census collects data on State and local government and industry expenditures on control activities. Data on government expenditures are reported in an annual series of publications, *Government Finances*, which covers expenditures on sewage and sanitation outlays. Industry data are reported annually in *Current Industrial Reports*. CEQ publishes some expenditure data in *Environmental Quality*.

Climate.—NOAA, through the National Weather Service and the National Environmental Satellite, Data and Information Service, is responsible for data on climate. NOAA maintains about 11,600 weather stations, of which over 3,000 produce autographic precipitation records, about 600 take hourly readings of a series of weather elements, and the remainder record data once a day. These data are reported monthly in the *Climatological Data* (published by State), and monthly and annually in the *Local Climatological Data* (published by location for major cities).

The climatological temperature, precipitation, and degree day normals listed in this publication are derived for comparative purposes and are averages for the 30-year period, 1951-80. For stations that did not have continuous records for the entire 30 years from the same instrument site, the normals have been adjusted to provide representative values for the current location. The information in all other tables is based on data from the beginning of the record at that location through 1987, except as noted.

The degree day normals are used to determine relative estimates of heating and cooling requirements for buildings. Each degree that the average temperature for a day is below 65 degrees F produces one heating degree day. For example, if the maximum temperature is 70 degrees F and the minimum temperature is 52 degrees F, the average temperature for the day is 61 degrees, resulting in four (4) heating degree days. Cooling degree days are calculated in a similar fashion for each degree that the average temperature is above 65 degrees F. The monthly degree day normals represent the average accumulation of the daily values for the month.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Area of States and Other Areas

195

NO. 337. AREA OF STATES AND OTHER AREAS: 1980

[One square mile = 2.59 square kilometers. See *Historical Statistics, Colonial Times to 1970*, series A 210-263, for land area]

DIVISION AND STATE OR OTHER AREA	Year admitted to state-hood	TOTAL AREA			LAND AREA ¹		WATER AREA ²	
		Rank	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.	Sq. mi.	Sq. km.
United States	(x)	(x)	3,618,770	9,372,614	3,539,269	9,166,759	79,481	205,858
New England	(x)	(x)	66,672	172,681	63,012	163,201	3,660	9,480
Maine	1820	39	33,265	86,156	30,995	80,277	2,270	5,879
New Hampshire	³ 1788	44	9,279	24,032	8,993	23,292	286	739
Vermont	1791	43	9,614	24,900	9,273	24,017	341	883
Massachusetts	³ 1788	45	8,284	21,456	7,824	20,265	460	1,191
Rhode Island	³ 1790	50	1,212	3,140	1,055	2,732	158	408
Connecticut	³ 1788	48	5,018	12,997	4,872	12,618	147	380
Middle Atlantic	(x)	(x)	102,203	264,707	99,733	258,308	2,470	6,388
New York	³ 1788	30	49,108	127,190	47,377	122,707	1,731	4,483
New Jersey	³ 1787	46	7,787	20,169	7,468	19,342	319	827
Pennsylvania	³ 1787	33	45,308	117,348	44,888	116,280	420	1,088
East North Central	(x)	(x)	248,540	643,719	243,961	631,859	4,579	11,860
Ohio	1803	35	41,330	107,044	41,004	106,201	325	843
Indiana	1816	38	36,185	93,720	35,932	93,064	253	656
Illinois	1818	24	56,345	145,934	55,645	144,120	700	1,814
Michigan	1837	23	58,527	151,586	56,954	147,511	1,573	4,075
Wisconsin	1848	26	56,153	145,436	54,426	140,964	1,727	4,472
West North Central	(x)	(x)	517,825	1,341,166	508,132	1,316,063	9,693	25,104
Minnesota	1858	12	84,402	218,601	79,548	206,030	4,854	12,571
Iowa	1846	25	56,275	145,753	55,965	144,950	310	803
Missouri	1821	19	69,697	180,516	68,945	178,568	752	1,948
North Dakota	1889	17	70,702	183,119	69,300	179,486	1,403	3,633
South Dakota	1889	16	77,116	199,730	75,952	196,715	1,164	3,014
Nebraska	1867	15	77,355	200,350	76,644	198,508	711	1,842
Kansas	1861	14	82,277	213,098	81,778	211,805	499	1,293
South Atlantic	(x)	(x)	278,926	722,420	266,910	691,296	12,017	31,123
Delaware	³ 1787	49	2,045	5,295	1,932	5,005	112	290
Maryland	³ 1788	42	10,460	27,092	9,837	25,477	623	1,615
District of Columbia	(x)	69	178	63	162	6	16	
Virginia	³ 1788	36	40,767	105,585	39,704	102,832	1,063	2,754
West Virginia	1863	41	24,232	62,760	24,119	62,468	112	291
North Carolina	³ 1789	28	52,669	136,413	48,843	126,504	3,826	9,909
South Carolina	³ 1788	40	31,113	80,582	30,203	78,227	909	2,355
Georgia	³ 1788	21	58,910	152,576	58,056	150,365	854	2,211
Florida	1845	22	58,664	151,939	54,153	140,256	4,511	11,683
East South Central	(x)	(x)	181,847	471,243	178,824	463,154	3,123	8,090
Kentucky	1792	37	40,410	104,660	39,669	102,743	740	1,917
Tennessee	1796	34	42,144	109,152	41,155	106,591	989	2,561
Alabama	1819	29	51,705	133,915	50,767	131,487	938	2,428
Mississippi	1817	32	47,689	123,515	47,233	122,333	457	1,183
West South Central	(x)	(x)	437,701	1,133,646	427,271	1,106,633	10,430	27,013
Arkansas	1836	27	53,187	137,754	52,078	134,883	1,109	2,872
Louisiana	1812	31	47,752	123,677	44,521	115,310	3,230	8,366
Oklahoma	1907	18	69,956	181,166	68,655	177,817	1,301	3,369
Texas	1845	2	266,807	691,030	262,017	678,623	4,790	12,407
Mountain	(x)	(x)	883,583	2,236,628	855,193	2,214,951	8,389	21,877
Montana	1889	4	147,046	380,848	145,388	376,555	1,656	4,293
Idaho	1890	13	83,564	216,432	82,412	213,447	1,153	2,985
Wyoming	1890	9	78,709	253,326	96,989	251,202	820	2,125
Colorado	1876	8	104,091	289,596	103,595	268,311	496	1,285
New Mexico	1912	5	121,593	314,925	121,335	314,258	258	667
Arizona	1912	6	114,000	295,260	113,508	293,986	492	1,274
Utah	1896	11	84,899	219,889	82,073	212,569	2,826	7,320
Nevada	1864	7	110,561	286,352	109,894	284,624	667	1,728
Pacific	(x)	(x)	921,392	2,386,406	896,253	2,321,295	25,140	65,112
Washington	1889	20	68,139	176,479	66,511	172,264	1,627	4,215
Oregon	1859	10	97,073	251,419	96,184	249,117	889	2,302
California	1850	3	158,706	411,049	156,299	404,814	2,407	6,235
Alaska	1959	1	591,004	1,530,700	570,833	1,478,458	20,171	52,243
Hawaii	1959	47	6,471	16,759	6,425	16,641	46	118

- Represents zero. X Not applicable. ¹ Dry land and land temporarily or partially covered by water, such as marshland, swamps, etc.; streams and canals under one-eighth statute mile wide; and lakes, reservoirs, and ponds under 40 acres in area.

² Permanent inland water surface, such as lakes, reservoirs, and ponds having an area of 40 acres or more; streams, sloughs, estuaries, and canals one-eighth statute mile or more in width; deeply indented embayments and sounds, and other coastal waters behind or sheltered by headlands or islands separated by less than 1 nautical mile of water, and islands under 40 acres in area. Excludes areas of oceans, bays, sounds, etc., lying within U.S. jurisdiction but not defined as inland water.

³ Year of ratification of Constitution; one of the original 13 States. ⁴ Under trusteeship at the time of the 1980 census; administered by the United Nations Trusteeship system. Northern Mariana Islands was legally part of the Trust Territory of the Pacific Islands, but both were recognized as separate entities for 1980 census purposes.

Source: U.S. Bureau of the Census, 1980 Census of Population, vol. I, part A (PC80-1-A), and unpublished data.

NO. 338. TERRITORIAL EXPANSION OF THE UNITED STATES AND ACQUISITIONS OF OTHER AREAS

[One square mile = 2.59 square kilometers. Boundaries of all territories listed under "United States" were indefinite, at least in part, at time of acquisition. Area figures shown here represent precise determinations of specific territories which have been marked upon maps, based upon interpretations of the several treaties of cession, which are necessarily debatable. These determinations were made by a committee consisting of representatives of various governmental agencies in 1912. Subsequently these figures were adjusted to bring them into agreement with remeasurements made in 1960. See also *Historical Statistics, Colonial Times to 1970*, series J 1-2]

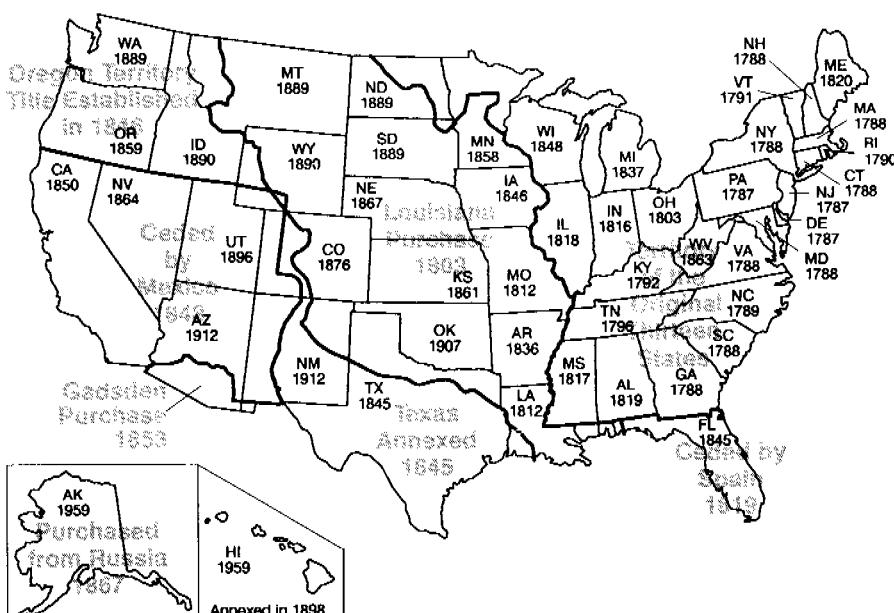
ACCESSION	Acquisi-tion date	GROSS AREA (land and water)		ACCESSION	Acquisi-tion date	GROSS AREA (land and water)	
		Sq. mi.	Sq. km.			Sq. mi.	Sq. km.
Total	(x)	3,623,434	9,384,694	Other areas:			
United States.....	(x)	3,618,770	9,372,614	Puerto Rico.....	* 1898	3,515	9,104
Territory in 1790 ¹	(x)	891,364	2,308,633	Guam.....	* 1898	209	541
Louisiana Purchase.....	1803	831,321	2,153,121	American Samoa.....	* 1899	77	199
Purchase of Florida.....	1819	69,866	180,953	Virgin Islands ^c of the U.S.....	1917	132	342
Texas.....	1845	384,958	997,041	Pacific Islands.....	1947	533	1,380
Oregon.....	1846	283,439	734,107	Trust Territory of the ^b No. Mariana Islands ^d	1947	184	477
Mexican Cession.....	1848	530,706	1,374,529	All other ^e	(x)	14	36
Gadsden Purchase.....	1853	29,640	76,768				
Alaska.....	1867	591,004	1,530,700				
Hawaii.....	1898	6,471	16,760				

X Not applicable. ¹ Includes that part of drainage basin of Red River of the North, south of 49th parallel, sometimes considered part of Louisiana Purchase. ^a Ceded by Spain in 1898, ratified in 1899, and became Commonwealth of Puerto Rico by Act of Congress on July 25, 1952. ^b Acquired 1898; ratified 1899. ^c Acquired 1899; ratified 1900. ^d Land area only. Under trusteeship in 1980. ^e Comprises the following islands with gross areas as indicated, in sq. mi.: Midway (2), Wake (3), Palmyra (4), Navassa (2), Baker, Howland, and Jarvis (combined area, 3), Johnston Atoll (combined area, less than .5), and Kingman Reef (less than .5). Excludes Canton and Enderbury Islands (combined area 27 sq. mi. or 73 sq. km.), which are considered to be under the jurisdiction of Kiribati since 1979, and Swan Islands (1 sq. mi.), which were returned to Honduras in 1972.

Source: U.S. Bureau of the Census, unpublished data.

Figure 6.1

Territorial Expansion of the United States and Acquisitions of Other Principal Areas



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 338.

Acquisition of Federal Public Domain—Federal Land

197

NO. 339. AREA AND ACQUISITION OF THE FEDERAL PUBLIC DOMAIN: 1781 TO 1987

[In millions of acres. Areas of acquisitions are as computed in 1912, and do not agree with figures in square miles shown in table 338 which include later adjustments and reflect subsequent remeasurement. Excludes outlying areas of the United States amounting to 645,949 acres in 1978. See also *Historical Statistics, Colonial Times to 1970*, series J 3-6]

YEAR	Land area, total ¹	YEAR	LAND AREA ¹			YEAR AND ACQUISITION	ACREAGE		
			Total	Public domain	Acquired		Total	Land	Inland water
1802	200.0	1973	761.0	704.8	56.2	Aggregate	1,837.8	1,804.7	33.1
1850	1,200.0	1974	760.5	703.8	56.7				
1880	900.0	1975	760.4	702.9	57.5	1781-1802 (State Cessions)	236.8	233.4	3.4
1912	600.0	1976	762.2	702.8	59.4	1803, Louisiana Purchase ²	529.9	523.4	6.5
1946	413.0	1977	741.5	689.3	58.2	1819, Cession from Spain	46.1	43.3	2.8
1950	412.0	1978	775.2	712.0	63.3	Red River Basin ³	29.6	29.1	.5
1955	407.9	1979	744.1	684.3	59.8	1846, Oregon Compromise	183.4	180.6	2.7
1959	768.6	1980	719.5	648.0	71.5	1848, Mexican Cession ²	338.7	334.5	4.2
1960	771.5	1981	730.8	668.7	62.2	1850, Purchase from Texas	78.9	78.8	.1
1965	765.8	1982	729.8	670.0	59.8	1853, Gadsden Purchase	19.0	19.0	(2)
1970	761.3	1983	732.0	672.4	59.6	1867, Alaska Purchase	375.3	362.5	12.8
1971	760.2	1984	726.6	658.9	67.7				
1972	760.7	1985	726.7	656.2	70.5				
		1986	727.1	662.7	64.4				
		1987	724.1	661.0	63.1				

Z Less than 50,000. ¹ Owned by Federal Government. Comprises original public domain plus acquired lands. Estimated from imperfect data available for indicated years. Prior to 1959, excludes Alaska, and 1960, Hawaii. Source: Beginning 1955, U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

² Data for Louisiana Purchase exclude areas eliminated by Treaty of 1819 with Spain. Such areas are included in figures for Mexican Cession. ³ Represents drainage basin of Red River of the North, south of 49th parallel. Authorities differ as to method and date of its acquisition. Some hold it as part of Louisiana Purchase; others, as acquired from Great Britain.

Source: Except as noted, U.S. Dept. of the Interior. Estimated area, Bureau of Land Management; all other data, Office of the Secretary, *Areas of Acquisitions to the Territory of the U.S.*, 1922.

NO. 340. TOTAL AND FEDERALLY OWNED LAND, 1960 TO 1987, AND BY STATE, 1987

[As of end of fiscal year; see text, section 9. Total land area figures are not comparable with those in table 340. For composition of regions, see fig. 1, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹		DIVISION AND STATE	Total (1,000 acres)	Not owned by Federal Government (1,000 acres)	OWNED BY FEDERAL GOVERNMENT ¹	
			Acres (1,000)	Percent				Acres (1,000)	Percent
1960	2,273,407	1,501,894	771,512	33.9	W. No. Cent.	326,191	314,528	11,664	3.6
1965	2,271,343	1,505,546	765,797	33.5	MN	51,206	47,746	3,460	8.8
1970	2,271,343	1,510,042	761,301	33.5	IA	35,860	35,700	180	.4
1975	2,271,343	1,510,929	760,414	33.5	MO	44,248	42,180	2,069	4.7
1976	2,271,343	1,508,151	762,192	33.5	ND	44,452	42,505	1,948	4.4
1977	2,271,343	1,529,834	741,509	32.6	SD	48,882	46,150	2,732	5.6
1978	2,271,343	1,496,094	775,249	34.1	NE	49,032	48,318	714	1.5
1979	2,271,343	1,533,545	744,146	32.8	KS	52,511	51,929	581	1.1
1980	2,271,343	1,551,822	719,522	31.7	So. Atl.	171,324	157,781	13,534	7.9
1981	2,271,343	1,540,528	730,815	32.2	DE	1,268	1,236	30	2.4
1982	2,271,343	1,541,522	729,821	32.1	MD	6,319	6,121	198	3.1
1983	2,271,343	1,538,301	732,042	32.2	DC	39	28	11	28.0
1984	2,271,343	1,544,785	726,559	32.0	VA	25,496	23,031	2,465	9.7
1985	2,271,343	1,544,656	726,686	32.0	WV	15,411	14,243	1,168	7.6
1986	2,271,343	1,544,236	727,113	32.0	NC	31,403	29,193	2,210	7.0
1987, total	2,271,343	1,547,277	724,086	31.9	SC	19,374	18,213	1,161	6.0
					GA	37,285	35,266	2,030	5.4
					FL	34,721	30,460	4,261	12.4
					E. So. Cent.	115,141	109,096	6,045	5.3
Region:					KY	25,512	24,111	1,401	5.5
Northeast	104,699	101,029	3,670	3.5	TN	26,728	24,852	1,876	7.0
Midwest	482,869	464,593	18,277	3.8	AL	32,678	31,587	1,092	3.3
South	561,238	533,101	26,137	5.0	MS	30,223	28,546	1,676	5.5
West	1,122,536	448,551	673,984	60.0	W. So. Cent.	274,773	266,214	8,558	3.1
N. Eng.	40,401	39,087	1,314	3.3	AR	33,599	30,275	3,324	9.9
ME	19,848	19,697	150	.8	LA	28,868	27,726	1,142	4.0
NH	5,769	5,029	740	12.6	OK	44,098	43,265	822	1.9
VT	5,937	5,615	322	5.4	TX	168,218	164,948	3,270	1.9
MA	5,035	4,952	83	1.6	MT	548,448	282,382	266,086	48.5
RI	677	672	5	.7	ID	93,271	64,815	28,456	30.5
CT	3,135	3,122	14	.4	CO	52,933	19,217	33,716	63.7
Mid. Atl.	64,298	61,842	2,356	3.7	NM	77,766	53,425	24,342	31.3
NY	30,681	29,126	1,555	5.1	AZ	72,688	41,384	31,304	43.1
NJ	4,813	4,653	160	3.3	UT	52,897	19,162	33,535	63.6
PA	28,804	28,163	641	2.2	NV	70,264	10,474	59,790	85.1
E. No. Cent.	156,678	150,065	6,613	4.2	Pac.	574,048	166,169	407,918	71.1
OH	26,222	25,904	318	1.2	WA	42,694	30,214	12,480	29.2
IN	23,158	22,721	437	1.9	OR	61,599	31,628	29,971	48.7
IL	35,795	35,295	500	1.4	CA	100,207	53,742	46,485	46.4
MI	36,492	32,984	3,528	9.7	AK	365,482	47,153	318,328	87.1
WI	35,011	33,181	1,830	5.2	HI	4,106	3,432	674	16.4

¹ Excludes trust properties.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

Geography and Environment

No. 341. LAND COVER/USE, BY STATE: 1982

[In thousands of acres. Excludes Alaska and District of Columbia]

STATE	Total surface area ¹	Federal surface area	NONFEDERAL							
			Total	Urban and builtup land	Rural transportation	Rural land				
						Total ²	Crop-land	Pasture land	Rangeland	Forest land
United States	1,937,726	404,063	1,495,436	46,416	26,914	1,412,011	420,994	132,356	405,914	383,197
Alabama	33,091	904	31,553	906	639	29,697	4,510	3,817	-	20,633
Arizona	72,960	32,056	40,603	711	291	39,582	1,206	79	30,948	4,760
Arkansas	34,040	3,114	30,221	636	540	28,770	8,102	5,794	162	14,340
California	101,572	45,552	54,471	3,265	1,037	49,833	10,518	1,393	18,125	15,218
Colorado	66,618	23,611	42,696	672	609	41,271	10,603	1,260	24,223	4,030
Connecticut	3,212	9	3,109	603	55	2,401	245	114	-	1,828
Delaware	1,309	33	1,204	128	26	1,039	519	35	-	348
Florida	37,545	3,129	31,528	2,770	601	27,730	3,557	4,273	3,804	12,430
Georgia	37,702	2,068	35,078	1,632	504	32,536	6,568	2,977	-	21,884
Hawaii	4,141	342	3,771	126	23	3,610	333	974	-	1,474
Idaho	53,481	33,445	19,449	189	255	18,934	6,390	1,274	6,733	3,977
Illinois	36,061	493	35,137	1,848	870	32,076	24,727	3,157	-	3,429
Indiana	23,159	489	22,514	1,192	517	20,597	13,781	2,212	-	3,640
Iowa	36,016	172	35,644	623	1,061	33,709	26,441	4,536	-	1,756
Kansas	52,658	585	51,785	721	1,104	49,655	29,118	2,241	16,909	626
Kentucky	25,662	1,125	24,278	636	570	22,866	5,934	5,880	-	10,158
Louisiana	30,561	1,104	27,103	823	546	25,256	6,409	2,369	241	12,895
Maine	21,290	135	19,702	212	270	19,066	953	569	-	16,770
Maryland	6,695	158	6,114	763	114	5,173	1,794	534	-	2,425
Massachusetts	5,302	89	4,923	883	128	3,839	297	202	-	2,970
Michigan	37,457	- 3,087	33,368	1,986	873	30,265	9,443	2,911	-	15,360
Minnesota	54,017	3,373	47,457	904	1,154	45,036	23,024	3,590	199	13,956
Mississippi	30,521	1,618	28,558	582	539	27,063	7,415	3,975	-	15,243
Missouri	44,606	2,094	41,983	1,117	977	39,543	14,998	12,573	168	10,986
Montana	94,109	27,107	65,947	197	784	64,665	17,197	3,036	37,837	5,228
Nebraska	49,507	639	49,449	415	826	46,990	20,277	2,125	23,096	732
Nevada	70,759	60,189	10,159	199	152	8,788	860	304	7,908	357
New Hampshire	5,938	727	5,033	236	109	4,629	158	125	-	4,085
New Jersey	4,984	145	4,635	1,163	69	3,342	809	240	-	1,848
New Mexico	77,819	26,420	51,247	267	382	50,535	2,413	163	40,982	4,734
New York	31,429	237	30,084	1,811	594	27,386	5,912	3,872	-	16,517
North Carolina	33,708	2,116	29,111	1,622	727	26,481	6,685	1,980	-	16,729
North Dakota	45,250	1,879	42,434	198	1,036	41,021	27,039	1,272	10,948	438
Ohio	26,451	346	25,892	2,187	645	22,659	12,447	2,714	-	6,380
Oklahoma	44,772	1,192	42,783	851	789	40,795	11,568	7,138	15,060	6,539
Oregon	62,127	32,122	29,332	526	365	28,291	4,356	1,966	9,392	11,889
Pennsylvania	28,997	668	28,060	2,073	613	25,144	5,896	2,593	-	15,300
Rhode Island	776	4	672	140	14	508	27	36	-	406
South Carolina	19,912	1,150	18,173	839	475	16,681	3,579	1,208	-	11,026
South Dakota	49,354	2,824	45,762	231	833	44,506	16,947	2,703	22,784	562
Tennessee	26,972	1,343	24,980	1,000	588	23,189	51,592	5,356	-	11,529
Texas	170,756	2,996	164,765	4,386	2,234	157,431	33,320	17,043	95,353	9,324
Utah	54,336	35,819	16,703	274	152	16,247	2,039	490	8,489	3,235
Vermont	6,153	315	5,619	97	101	5,377	648	501	-	4,087
Virginia	26,091	2,347	23,063	1,219	329	21,292	3,397	3,392	-	13,625
Washington	43,609	12,474	30,092	990	492	28,462	7,793	1,345	5,637	12,690
West Virginia	15,508	1,104	14,330	312	205	13,722	1,093	1,669	-	10,423
Wisconsin	35,938	1,800	33,064	1,125	770	30,690	11,457	3,394	-	13,393
Wyoming	62,598	29,315	32,603	148	330	32,240	2,587	755	26,915	987

- Represents zero.

¹ Includes 107.9 million acres of water areas and minor land cover/uses not shown separately.² Includes 59.55 million acres of minor land cover/uses not shown separately.Source: U.S. Dept. of Agriculture, Soil Conservation Service, and Iowa State University, Statistical Laboratory; Statistical Bulletin No. 756, *Basic Statistics—1982 National Resources Inventory*, September 1987.

NO. 342. EXTREME AND MEAN ELEVATIONS—STATES AND OTHER AREAS

[One foot = .305 meter]

STATE OR OTHER AREA	Name	HIGHEST POINT		LOWEST POINT		APPROXIMATE MEAN ELEVATION		
		Elevation		Name	Elevation	Feet	Meters	
		Feet	Meters					
U.S.	Mt. McKinley (AK)	20,320	6,198	Death Valley (CA)	-282	-86	2,500	763
AL	Cheaha Mountain	2,405	733	Gulf of Mexico	(1)	(1)	500	153
AK	Mount McKinley	20,320	6,198	Pacific Ocean	(1)	(1)	1,900	580
AZ	Humphreys Peak	12,633	3,853	Colorado River	70	21	4,100	1,251
AR	Magazine Mountain	2,753	840	Ouachita River	55	17	650	198
CA	Mount Whitney	14,494	4,421	Death Valley	-282	-86	2,900	885
CO	Mt. Elbert	14,433	4,402	Arkansas River	3,350	1,022	6,800	2,074
CT	Mt. Frissell, on South slope	2,380	726	Long Island Sound	(1)	(1)	500	153
DE	Ebright Road, New Castle County	442	135	Atlantic Ocean	(1)	(1)	60	18
DC	Tenleytown	410	125	Potomac River	1	(z)	150	46
FL	Sec. 30, T6N, R20W, Walton County ²	345	105	Atlantic Ocean	(1)	(1)	100	31
GA	Brasstown Bald	4,784	1,459	Atlantic Ocean	(1)	(1)	600	183
HI	Puu Wekiu	13,796	4,208	Pacific Ocean	(1)	(1)	3,030	924
ID	Borah Peak	12,662	3,862	Snake River	710	217	5,000	1,525
IL	Charles Mound	1,235	377	Mississippi River	278	85	600	183
IN	Franklin Twp., Wayne Co.	1,257	383	Ohio River	320	98	700	214
IA	Sec. 29, T100N, R41W, Osceola County ²	1,670	509	Mississippi River	480	146	1,100	336
KS	Mount Sunflower	4,039	1,232	Vermigini River	679	207	2,000	610
KY	Black Mountain	4,139	1,262	Mississippi River	257	78	750	229
LA	Driskill Mountain	535	163	New Orleans	8	-2	100	31
ME	Mount Katahdin	5,267	1,606	Atlantic Ocean	(1)	(1)	600	183
MD	Backbone Mountain	3,360	1,025	Atlantic Ocean	(1)	(1)	350	107
MA	Mount Greylock	3,487	1,064	Atlantic Ocean	(1)	(1)	500	153
MI	Mount Arvon	1,979	604	Lake Erie	572	174	900	275
MN	Eagle Mountain, Cook Co	2,301	702	Lake Superior	602	184	1,200	366
MS	Woodall Mountain	806	246	Gulf of Mexico	(1)	(1)	300	92
MO	Taum Sauk Mountain	1,772	540	St. Francis River	230	70	800	244
MT	Granite Peak	12,799	3,904	Kootenai River	1,800	549	3,400	1,037
NE	Johnson Twp., Kimball Co.	5,426	1,655	Missouri River	840	256	2,600	793
NV	Boundary Peak	13,140	4,007	Colorado River	470	143	5,500	1,678
NH	Mount Washington	6,288	1,918	Atlantic Ocean	(1)	(1)	1,000	305
NJ	High Point	1,803	550	Atlantic Ocean	(1)	(1)	250	76
NM	Wheeler Peak	13,161	4,014	Red Bluff Reservoir	2,842	867	5,700	1,739
NY	Mount Marcy	5,344	1,630	Atlantic Ocean	(1)	(1)	1,000	305
NC	Mount Mitchell	6,684	2,039	Atlantic Ocean	(1)	(1)	700	214
ND	White Butte, Slope Co	3,506	1,069	Red River	750	229	1,900	580
OH	Campbell Hill	1,549	472	Ohio River	455	139	850	259
OK	Black Mesa	4,973	1,517	Little River	289	88	1,300	397
OR	Mount Hood	11,239	3,428	Pacific Ocean	(1)	(1)	3,300	1,007
PA	Mount Davis	3,213	980	Delaware River	(1)	(1)	1,100	336
RI	Jerimoth Hill	812	248	Atlantic Ocean	(1)	(1)	200	61
SC	Sassafras Mountain	3,560	1,096	Atlantic Ocean	(1)	(1)	350	107
SD	Harney Peak	7,242	2,209	Big Stone Lake	966	295	2,200	671
TN	Clingmans Dome	6,643	2,026	Mississippi River	178	54	900	275
TX	Guadalupe Peak	8,749	2,668	Gulf of Mexico	(1)	(1)	1,700	519
UT	Kings Peak	13,528	4,126	Beaverdam Wash	2,000	610	6,100	1,861
VT	Mount Mansfield	4,393	1,340	Lake Champlain	95	29	1,000	305
VA	Mount Rogers	5,729	1,747	Atlantic Ocean	(1)	(1)	950	290
WA	Mount Rainier	14,410	4,395	Pacific Ocean	(1)	(1)	1,700	519
WV	Spruce Knob	4,861	1,483	Potomac River	240	73	1,500	458
WI	Timms Hill	1,951	595	Lake Michigan	581	177	1,050	320
WY	Gannett Peak	13,804	4,210	Belle Fourche River	3,009	945	6,700	2,044
Other areas:								
PR	Cerro de Punta	4,390	1,339	Atlantic Ocean	(1)	(1)	1,800	549
Am. Samoa	Lata Mountain	3,160	964	Pacific Ocean	(1)	(1)	1,300	397
GU	Mount Lamiam	1,332	406	Pacific Ocean	(1)	(1)	330	101
VI	Crown Mountain	1,556	475	Atlantic Ocean	(1)	(1)	750	229

Z Less than .5 meter. ¹ Sea level. * "Sec." denotes section; "T," township; "R," range; "N," north; "W," west.Source: U.S. Geological Survey, *Elevations and Distances in the United States*, 1989.

Geography and Environment

No. 343. FLOWS OF LARGEST U.S. RIVERS—LENGTH, DISCHARGE, AND DRAINAGE AREA

RIVER	Location of mouth	Source stream (name and location)	Length (miles) ¹	Average discharge at mouth (1,000 cubic ft. per second)	Drainage area (1,000 sq. mi.)
Mississippi	Louisiana	Mississippi River, MN	2,340	593	1,150
St. Lawrence	Canada	North River, MN	1,900	348	396
Ohio	Illinois-Kentucky	Allegheny River, PA	1,310	281	203
Columbia	Oregon-Washington	Columbia River, Canada	1,240	265	258
Yukon	Alaska	McNeil River, Canada	1,080	225	328
Missouri	Missouri	Red Rock Creek, MT	2,540	76.2	529
Tennessee	Kentucky	Courthouse Creek, NC	886	68	40.9
Mobile	Alabama	Tickanetley Creek, GA	774	67.2	44.6
Kuskokwim	Alaska	South Fork Kuskokwim River, AK	724	67	48
Copper	Alaska	Copper River, AK	286	59	24.4
Atchafalaya ²	Louisiana	Tierra Blanca Creek, NM	1,420	58	95.1
Snake	Washington	Snake River, WY	1,040	58.9	108
Red	Louisiana	Tierra Blanca Creek, NM	1,290	56	93.2
Stikine	Alaska	Stikine River, Canada	378	56	20
Susitna	Alaska	Susitna River, AK	313	61	20
Tanana	Alaska	Nabesna River, AK	658	41	44.5
Arkansas	Arkansas	East Fork Arkansas River, CO	1,480	41	161
Susquehanna	Maryland	Hayden Creek, NY	447	36.2	27.2
Willamette	Oregon	Middle Fork Willamette River, OR	309	37.4	11.4
Nushagak	Alaska	Nushagak River, AK	285	36	13.4
Alabama	Alabama	Tickanetley Creek, GA	729	34.6	22.8
Wabash	Indiana-Illinois	Wabash River, OH	512	31	32.9
White	Arkansas	White River, AR	722	30.5	27.8
Pend Oreille	Canada	Blacktail Creek, MT	531	30.4	26.3
Aleut	Alaska	Aishihik River, Canada	290	30	10.7

¹ From source to mouth. ² The length from the source of the Missouri River to the Mississippi River and thence to the Gulf of Mexico is about 3,710 miles. ³ Includes about 167,000 cubic ft. diverted from the Mississippi into the Atchafalaya River but excludes the flow of the Red River. ⁴ Excludes the drainage areas of the Red and Atchafalaya Rivers. ⁵ Drainage area includes both the U.S. and Canada. ⁶ In east-central Louisiana, the Red River flows into the Atchafalaya River, a distributary of the Mississippi River. Data on average discharge length and drainage area include the Red River, but excludes all water diverted into Atchafalaya from the Mississippi River.

Source: U.S. Geological Survey, *Largest Rivers in the United States, in Discharge, Drainage Area, or Length*, August 1987.

No. 344. WATER AREA, OTHER THAN INLAND WATER—STATES

[Includes only that portion of body of water under the jurisdiction of the United States, excluding Alaska and Hawaii. Excludes inland waters; see footnote 2, table 1. One square mile = 2.59 square kilometers]

BODY OF WATER	AREA		BODY OF WATER	AREA	
	Sq. mi.	Sq. km.		Sq. mi.	Sq. km.
Total	74,364	192,603	Gulf of Mexico coastal water	3,837	9,938
Atlantic coastal water	2,298	5,952	Alabama	560	1,450
Florida	37	96	Florida	1,698	4,398
Georgia	48	124	Louisiana	1,016	2,631
Maine	1,102	2,854	Mississippi	556	1,440
Massachusetts	959	2,484	Texas	7	18
Rhode Island	14	36	Lake Michigan	22,178	57,441
South Carolina	138	357	Illinois	1,526	3,952
Chesapeake Bay	3,237	8,384	Indiana	228	591
Maryland	1,728	4,470	Michigan	13,037	33,766
Virginia	1,511	3,913	Wisconsin	7,387	19,132
Delaware Bay	665	1,722	New York Harbor	92	238
Delaware	350	907	New Jersey	69	179
New Jersey	315	816	New York	23	60
Lake Erie	5,002	12,955	Lake Ontario: New York	3,033	7,855
Michigan	216	559	Pacific coastal water	343	888
New York	594	1,538	California	69	179
Ohio	3,457	8,954	Oregon	48	124
Pennsylvania	735	1,904	Washington	226	585
Straits of Georgia and Juan de Fuca: Washington	1,610	4,170	Puget Sound: Washington	561	1,453
Lake Huron: Michigan	8,975	23,245	Lake St. Clair: Michigan	116	300
Long Island Sound	1,298	3,364	Lake Superior	21,118	54,696
Connecticut	573	1,484	Michigan	16,231	42,038
New York	726	1,880	Minnesota	2,212	5,729
			Wisconsin	2,675	6,928

Source: U.S. Bureau of the Census, *Areas of the United States: 1940*.

Water Withdrawals and Consumptive Use

201

NO. 345. WATER WITHDRAWALS AND CONSUMPTIVE USE—STATES AND OTHER AREAS: 1985

[In millions of gallons per day, except as noted. Figures may not add due to rounding. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water]

STATE OR OTHER AREA	WATER WITHDRAWN								Con- sump- tive use, ¹ fresh water	
	Total ¹	Per capita (gal. per day) fresh	Source		Use					
			Ground water	Sur- face water	Irriga- tion	Public sup- ply ²	Indus- trial ³	Thermo- electric		
Total.....	399,000	1,400	74,000	325,000	137,000	39,900	29,300	187,000	92,300	
Alabama.....	8,600	2,140	347	8,250	69	654	851	6,920	541	
Alaska.....	406	727	72	334	—	86	133	30	27	
Arizona.....	6,430	1,960	3,100	3,220	5,520	645	133	58	3,700	
Arkansas.....	5,910	2,500	3,810	2,100	3,870	317	175	1,090	3,210	
California.....	49,700	1,420	15,100	34,630	30,600	5,450	1,159	12,180	21,100	
Colorado.....	13,800	4,180	2,340	11,200	12,400	754	211	110	4,850	
Connecticut.....	3,780	375	144	3,640	3	401	147	3,210	106	
Delaware.....	1,650	222	79	1,580	27	87	410	1,121	39	
District of Columbia.....	348	556	—	348	—	218	—	130	24	
Florida.....	17,000	554	4,050	13,000	2,910	1,939	679	11,351	2,730	
Georgia.....	5,450	899	1,000	4,440	453	935	656	3,326	838	
Hawaii.....	2,150	1,100	655	1,490	906	215	20	970	132	
Idaho.....	22,300	22,200	4,800	17,500	20,600	301	334	—	5,290	
Illinois.....	14,500	1,250	968	13,500	71	1,910	639	11,700	686	
Indiana.....	8,030	1,470	635	7,400	47	714	2,751	4,480	454	
Iowa.....	2,770	960	671	2,090	67	415	260	1,810	473	
Kansas.....	5,670	2,310	4,800	866	4,730	358	95	415	4,710	
Kentucky.....	4,200	1,130	205	3,990	8	451	266	3,410	260	
Louisiana.....	10,400	2,210	1,440	8,980	1,480	675	2,100	5,984	2,090	
Maine.....	1,520	783	66	1,460	2	127	250	1,074	203	
Maryland.....	6,710	321	219	6,490	34	834	371	5,429	423	
Massachusetts.....	9,660	1,070	315	9,340	16	802	153	8,450	316	
Michigan.....	11,400	1,270	600	10,800	210	1,373	1,385	6,390	611	
Minnesota.....	2,830	676	685	2,150	209	604	457	1,470	768	
Mississippi.....	2,510	885	1,580	933	886	328	236	670	661	
Missouri.....	6,110	1,210	640	5,470	306	699	116	4,930	504	
Montana.....	8,650	10,500	203	8,450	8,300	174	60	67	1,900	
Nebraska.....	10,000	6,250	5,590	4,450	7,270	272	167	2,210	4,910	
Nevada.....	3,740	3,860	908	2,830	3,350	300	35	23	1,890	
New Hampshire.....	894	688	84	810	1	111	239	543	76	
New Jersey.....	6,940	307	668	6,270	132	1,114	1,137	4,546	279	
New Mexico.....	3,280	2,320	1,510	1,780	2,820	264	83	59	1,530	
New York.....	15,200	508	1,100	14,100	38	3,051	1,080	10,870	1,400	
North Carolina.....	8,760	1,260	435	8,320	132	764	539	7,266	439	
North Dakota.....	1,160	1,690	127	1,040	154	84	13	892	201	
Ohio.....	12,700	1,180	730	12,000	17	1,559	540	10,500	396	
Oklahoma.....	1,270	386	568	707	445	547	113	134	576	
Oregon.....	6,540	2,450	660	5,880	5,710	496	301	12	2,800	
Pennsylvania.....	14,300	1,210	798	13,500	11	1,784	2,208	10,200	589	
Rhode Island.....	409	182	27	381	3	122	20	261	23	
South Carolina.....	6,820	2,040	214	6,610	34	421	1,130	5,186	340	
South Dakota.....	675	956	249	425	460	96	46	4	361	
Tennessee.....	8,450	1,770	444	8,010	9	697	1,613	6,080	275	
Texas.....	25,300	1,280	7,410	17,900	8,120	3,095	2,763	11,010	8,650	
Utah.....	4,320	2,540	815	3,500	3,590	453	213	28	2,130	
Vermont.....	126	235	37	89	1	65	55	1	26	
Virginia.....	7,250	853	341	6,910	52	691	673	5,760	269	
Washington.....	7,030	1,600	1,220	5,810	4,940	1,053	559	427	4,700	
West Virginia.....	5,440	2,810	227	5,210	4	172	1,028	4,210	877	
Wisconsin.....	6,740	1,400	570	6,170	84	659	461	5,440	321	
Wyoming.....	6,220	12,200	526	5,700	5,660	111	184	236	2,670	
Puerto Rico.....	2,600	176	175	2,430	157	409	18	2,005	163	
Virgin Islands.....	124	68	2	123	—	6	14	103	1	

¹ Represents zero. ² Includes self-supplied withdrawals for commercial use not shown separately under "use." ³ Includes domestic withdrawals for normal household purposes.

¹ Includes water used in mining. ² Water that has been evaporated, transpired, or incorporated into products, plant or animal tissue; and therefore, is not available for immediate reuse.

Source: U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1004.

Geography and Environment

No. 346. U.S. WATER WITHDRAWALS AND CONSUMPTIVE USE PER DAY BY END USE: 1940 TO 1985

[Includes Puerto Rico. Withdrawal signifies water physically withdrawn from a source. Includes fresh and saline water; excludes water used for hydroelectric power. See also *Historical Statistics, Colonial Times to 1970*, series J 92-103]

YEAR	Total (bil. gal.)	Per capita ¹ (gal.)	Irrigation (bil. gal.)	PUBLIC SUPPLY ²		Rural ⁴ (bil. gal.)	Industri- al and mle. ⁵ (bil. gal.)	Steam electric utilities (bil. gal.)
				Total (bil. gal.)	Per capita ³ (gal.)			
WITHDRAWALS								
1940.....	140	1,027	71	10	75	3.1	29	23
1950.....	180	1,185	89	14	145	3.6	37	40
1955.....	240	1,454	110	17	148	3.6	39	72
1960.....	270	1,500	110	21	151	3.6	38	100
1965.....	310	1,602	120	24	155	4.0	46	130
1970.....	370	1,815	130	27	166	4.5	47	170
1975.....	420	1,972	140	29	168	4.9	45	200
1980.....	450	1,953	150	34	183	5.6	45	210
1985.....	400	1,650	140	38	189	7.8	30	190
CONSUMPTIVE USE								
1960.....	61	339	52	3.5	25	2.8	3.0	.2
1965.....	77	403	66	5.2	34	3.2	3.4	.4
1970.....	87	427	73	5.9	36	3.4	4.1	.8
1975.....	96	451	80	6.7	38	3.4	4.2	1.9
1980.....	100	440	83	7.1	38	3.9	5.0	3.2
1985.....	92	380	74	(*)	(*)	7.9.2	6.1	6.2

¹ Based on Bureau of the Census resident population as of July 1. ² Includes commercial water withdrawals. ³ Based on population served. ⁴ Rural farm and nonfarm household and garden use, and water for farm stock and dairies. ⁵ For 1940-1960, includes manufacturing and mineral industries, rural commercial industries, air-conditioning, resorts, hotels, motels, military and other State and Federal agencies, and miscellaneous; thereafter, includes manufacturing, mining and mineral processing, ordinance, construction, and miscellaneous. ⁶ Public supply consumptive use included in end-use categories. ⁷ Includes public supply consumptive use for domestic and commercial purposes.

Source: 1940-1960, U.S. Bureau of Domestic Business Development, based principally on committee prints, *Water Resources Activities in the United States*, for the Senate Committee on National Water Resources, U.S. Senate, thereafter U.S. Geological Survey, *Estimated Use of Water in the United States in 1985*, circular 1004, and previous quinquennial issues.

NO. 347. NATIONAL AMBIENT WATER QUALITY IN RIVERS AND STREAMS—VIOLATION RATE: 1975 TO 1988

[In percent. Violation level based on U.S. Environmental Protection Agency water quality criteria. Violation rate represents the proportion of all measurements of a specific water quality pollutant which exceeds the "violation level" for that pollutant. "Violation" does not necessarily imply a legal violation. Data based on U.S. Geological Survey's National Stream Quality Accounting Network (NASQAN) data system; for details, see source. Years refer to water years. A water year begins in Oct. and ends in Sept. μg =micrograms. mg=milligrams. For metric conversions, see p. x.]

POLLUTANT	VIOLATION LEVEL	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Fecal coliform bacteria.....	Above 200 cells per 100 ml.....	36	31	30	33	34	30	28	24	23	22
Dissolved oxygen.....	Below 5 mg per liter.....	5	5	4	5	4	3	3	3	2	2
Phosphorus, total, as phosphorous.....	Above 1.0 mg per liter.....	5	4	4	3	3	4	3	3	3	4
Lead, dissolved.....	Above 50 μg per liter.....	(B)	5	3	2	5	(Z)	(Z)	(Z)	(Z)	(Z)
Cadmium, dissolved.....	Above 10 μg per liter.....	(B)	1	1	1	1	(Z)	(Z)	(Z)	(Z)	(Z)

B Base figure too small to meet statistical standards for reliability of derived figures. Z Less than 1.

Source: U.S. Geological Survey, national-level data, unpublished; State-level data, *Water-Data Report*, annual series prepared in cooperation with the State governments.

No. 348. OIL POLLUTING INCIDENTS REPORTED IN AND AROUND U.S. WATERS: 1973 TO 1988

ITEM	Incidents	Gallons	ITEM	Incidents	Gallons
1973.....	11,054	15,289,188	1981.....	9,589	8,919,789
1974.....	12,083	15,739,792	1982.....	9,416	10,404,646
1975.....	10,998	21,528,444	1983.....	10,530	8,376,719
1976.....	11,066	18,517,384	1984.....	10,089	16,254,974
1977.....	10,979	8,188,398	1985.....	7,746	18,675,137
1978.....	12,174	11,035,890	1986.....	6,543	4,451,343
1979.....	11,556	10,051,271	1987.....	6,182	4,331,612
1980.....	9,886	12,638,848	1988 ¹	6,748	5,493,397

¹ Preliminary.

Source: U.S. Coast Guard. Based on unpublished data from the *Marine Safety Information System*, March 1989.

Air Pollutant Concentrations and Emissions

203

NO. 349. NATIONAL AMBIENT AIR POLLUTANT CONCENTRATIONS: 1978 TO 1987

[Data represent annual composite averages of pollutant based on daily 24-hour averages of monitoring stations, except carbon monoxide is based on the second-highest, non-overlapping, 8-hour average; ozone, average of the second-highest daily maximum one hour value; and lead, quarterly average of ambient lead levels. Based on data from the National Aerometric Data Bank. $\mu\text{g}/\text{m}^3$ =micrograms of pollutant per cubic meter of air; ppm=parts per million]

POLLUTANT	Unit	Monitoring stations, number	Air quality standard ¹	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carbon monoxide.....	ppm.....	198	² 9	9.9	9.6	8.9	8.6	8.1	7.9	7.9	7.1	7.1	6.7
Ozone.....	ppm.....	274	³ .122	.15	.14	.14	.13	.13	.14	.13	.13	.12	.13
Sulfur dioxide.....	ppm.....	347	.03	.013	.012	.011	.010	.010	.009	.009	.009	.009	.008
Total suspended particulates.....	$\mu\text{g}/\text{m}^3$	1,726	75	62.3	63.0	64.2	60.0	49.8	49.4	51.0	48.6	48.5	49.5
Nitrogen dioxide.....	ppm.....	84	.053	.026	.024	.023	.023	.023	.022	.023	.023	.023	.023
Lead.....	$\mu\text{g}/\text{m}^3$	97	⁴ 1.5	1.01	.86	.63	.47	.49	.41	.37	.25	.14	.12
INDEX													
Carbon monoxide.....	ppm.....	198	² 9	100	97	90	87	82	80	80	72	72	68
Ozone.....	ppm.....	274	³ .122	100	93	93	87	87	93	87	87	80	87
Sulfur dioxide.....	ppm.....	347	.03	100	92	85	77	77	69	69	69	69	62
Total suspended particulates.....	$\mu\text{g}/\text{m}^3$	1,726	75	100	101	103	96	80	79	82	78	78	79
Nitrogen dioxide.....	ppm.....	84	.053	100	92	88	88	85	85	88	88	88	88
Lead.....	$\mu\text{g}/\text{m}^3$	97	⁴ 1.5	100	85	62	47	49	41	37	25	14	12

¹ Refers to the primary National Ambient Air Quality Standard that protects the public health. ² Based on 8-hour standard of 9 ppm. ³ Based on 1-hour standard of .12 ppm. ⁴ Based on 3-month standard of 1.5 $\mu\text{g}/\text{m}^3$.

Source: U.S. Environmental Protection Agency, *National Air Quality and Emissions Trends Report, 1987*, February 1989.

NO. 350. NATIONAL AIR POLLUTANT EMISSIONS: 1940 TO 1987

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1,1023 short tons. PM=Particulate matter, SO_x=Sulfur oxides, NO_x=Nitrogen oxide, VOC=Volatile organic compound, CO=Carbon monoxide, Pb=Lead]

YEAR	EMISSIONS						PERCENT CHANGE ¹					
	PM	SO _x	NO _x	VOC	CO	Pb	PM	SO _x	NO _x	VOC	CO	Pb
1940.....	23.1	17.6	6.8	18.1	81.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1950.....	24.9	19.8	9.3	20.2	86.1	(NA)	7.8	12.5	36.8	11.6	5.6	(NA)
1960.....	21.6	19.7	12.8	22.6	88.1	(NA)	-13.3	-5	37.6	11.9	2.3	(NA)
1970.....	18.5	28.3	18.3	26.2	100.2	203.8	-14.4	43.7	43.0	15.9	13.7	(NA)
1975.....	10.6	25.8	19.2	22.1	82.2	147.0	-42.7	-8.8	4.9	15.6	-18.0	-27.9
1980.....	8.5	23.4	20.4	22.3	77.0	70.6	-19.8	-9.3	6.3	9	-6.3	-52.0
1981.....	8.0	22.6	20.4	21.0	74.4	55.9	-5.9	3.4	-	-5.8	-3.4	-20.8
1982.....	7.1	21.4	19.6	19.7	69.4	54.4	-11.2	-5.3	-3.9	-6.2	-6.7	-2.7
1983.....	7.1	20.7	19.0	20.4	71.3	46.3	-	-3.3	-3.1	3.6	2.7	14.9
1984.....	7.4	21.5	19.7	21.5	68.7	40.1	-4.2	3.9	3.7	54	-3.6	-13.4
1985.....	7.0	21.1	19.8	20.1	64.6	21.1	-5.4	-1.9	5	6.5	-6.0	-47.4
1986.....	6.8	20.7	19.3	19.3	61.1	8.6	-2.9	-1.9	-2.5	-4.0	-5.4	-59.2
1987.....	7.0	20.4	19.5	19.6	61.4	8.1	-2.9	-1.4	1.0	1.6	.5	-5.8

- Represents zero. NA Not available.

¹ Percent change from prior year shown.

NO. 351. AIR POLLUTANT EMISSIONS, BY POLLUTANT AND SOURCE: 1970 TO 1987

[In millions of metric tons, except lead in thousands of metric tons. Metric ton=1,1023 short tons]

YEAR AND POLLUTANT	Total emissions	CONTROLLABLE EMISSIONS						Misc. uncontrollable	PERCENT OF TOTAL			
		Transportation		Fuel combustion ¹		Industrial processes	Solid waste disposal		Transpor-tation	Fuel combus-tion ¹	Indus-trial	
		Total	Road vehicles	Total	Electric utilities							
1970: Carbon monoxide.....	100.2	73.2	64.2	4.4	.2	9.0	6.4	7.2	73.1	4.4	9.0	
Sulfur oxides.....	28.4	.6	.3	21.3	15.8	6.4	-	.1	2.1	75.0	22.5	
Volatile organic compounds.....	26.2	11.1	9.8	1.1	-	8.9	1.8	3.8	42.4	4.2	34.0	
Particulates.....	18.5	1.2	.9	4.6	2.3	10.5	1.1	1.1	6.5	24.9	56.8	
Nitrogen oxides.....	18.3	7.7	6.1	9.1	4.4	.7	.4	.3	42.1	49.7	3.8	
Lead.....	203.8	163.6	156.0	9.6	.3	23.9	6.7	-	80.3	4.7	11.7	
1980: Carbon monoxide.....	77.0	53.5	46.2	7.3	.3	6.3	2.2	7.6	69.5	9.5	8.2	
Sulfur oxides.....	23.4	.9	.4	18.7	15.5	3.8	-	-	3.8	79.9	16.2	
Volatile organic compounds.....	22.3	7.4	6.2	2.2	-	9.2	.6	2.9	33.2	9.9	41.3	
Particulates.....	8.5	1.3	1.1	2.4	.8	3.3	.4	1.1	15.3	28.2	38.8	
Nitrogen oxides.....	20.4	9.3	7.4	10.1	6.4	.7	.1	.2	45.6	49.5	3.4	
Lead.....	70.6	59.4	56.4	3.9	.1	3.6	3.7	-	84.1	5.5	51	
1987: Carbon monoxide.....	61.4	40.7	33.4	7.2	.3	4.7	1.7	7.1	66.3	11.7	7.7	
Sulfur oxides.....	20.4	.9	.5	16.4	13.5	3.1	-	-	4.4	80.4	15.2	
Volatile organic compounds.....	19.6	6.0	4.7	2.3	-	8.3	.6	2.4	30.6	11.7	42.3	
Particulates.....	7.0	1.4	1.1	1.8	.5	2.5	.3	1.0	20.0	25.7	35.7	
Nitrogen oxides.....	19.5	8.4	6.6	10.3	6.9	.6	.1	.1	43.1	52.8	3.1	
Lead.....	8.1	3.0	2.8	.5	.1	2.0	2.6	-	37.0	6.2	24.7	

- Represents zero. ¹ Stationary.

Source of tables 350 and 351: U.S. Environmental Protection Agency, *National Air Pollutant Emission Estimates, 1940-1987*, March 1989.

Geography and Environment

NO. 352. METROPOLITAN AREAS FAILING TO MEET NATIONAL AMBIENT AIR QUALITY STANDARDS FOR CARBON MONOXIDE—NUMBER OF DAYS EXCEEDING STANDARDS: 1987 AND 1988

[For standard, see table 349. Non-attainment status was as of Dec. 31, 1988]

METROPOLITAN AREA	1987	1988	METROPOLITAN AREA	1987	1988	METROPOLITAN AREA	1987	1988
Albuquerque, NM.....	14	5	Hartford-New Britain-Middletown, CT CMSA.....	7	3	Portland-Vancouver, OR-WA CMSA.....	4	3
Anchorage, AK.....	4	10	Josephine County, OR ¹	4	2	Provo-Orem, UT.....	20	5
Baltimore, MD.....	1	2	Klamath County, OR ²	(NA)	3	Raleigh-Durham, NC.....	2	2
Boston-Lawrence-Salem, MA-NH CMSA.....	12	-	Las Vegas, NV.....	4	26	Reno, NV.....	1	3
Chico, CA.....	-	2	Los Angeles-Anaheim-Riverside, CA CMSA.....	48	51	Sacramento, CA.....	12	6
Cleveland-Akron-Lorain, OH CMSA.....	12	-	Manchester, NH.....	4	1	St. Louis, MO-IL.....	2	-
Colorado Springs, CO.....	1	2	Medford, OR.....	3	3	Salt Lake City-Ogden, UT.....	2	-
Denver-Boulder, CO CMSA.....	24	10	Memphis, TN-AR-MS.....	3	-	San Diego, CA.....	-	2
El Paso, TX.....	11	3	Minneapolis-St. Paul, MN-WI.....	5	8	San Francisco-Oakland-San Jose, CA CMSA.....	1	2
Fairbanks, AK ³	18	9	Missoula County, MT ²	4	2	Seattle-Tacoma, WA.....	9	3
Fort Collins, CO.....	5	3	Modesto, CA.....	-	2	Spokane, WA.....	66	37
Fresno, CA.....	3	3	New York-Northern NJ-CT CMSA.....	69	26	Steubenville-Welton, OH-WV.....	26	31
Great Falls, MT.....	3	1	Long Island, NY-NJ-CT CMSA.....	4	2	Washington, DC-MD-VA.....	2	1
Greeley, CO.....	3	1	Oklahoma City, OK.....	4	1	Winnebago County, WI ²	(NA)	32
Greensboro-Winston-Salem-High Point, NC.....	-	2	Phoenix, AZ.....	124	11	Yakima, WA.....	4	1

- Represents zero. NA Not available. ¹ 1986 data. ² Not a metropolitan area.**NO. 353. METROPOLITAN AREAS FAILING TO MEET NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE—NUMBER OF DAYS EXCEEDING STANDARDS: 1986 TO 1988**

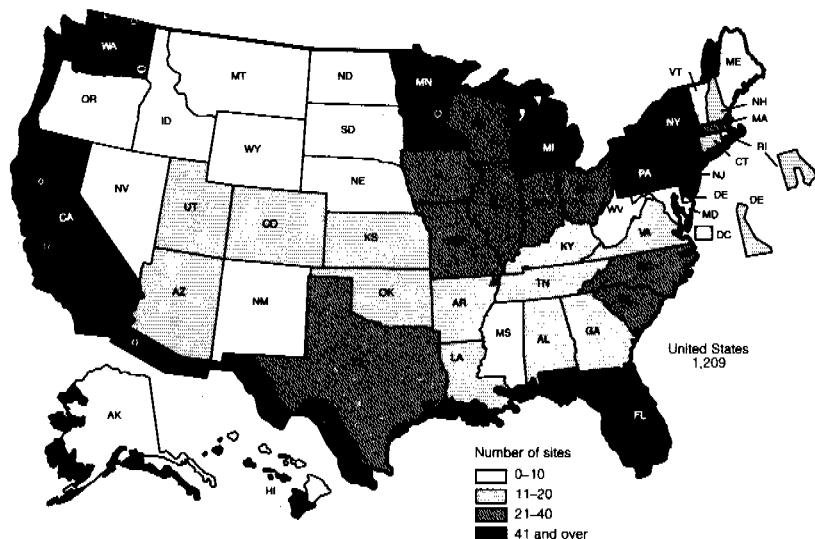
[For standard, see table 349. Non-attainment status was as of Dec. 31, 1988]

METROPOLITAN AREA	1986-1988, avg.	1988	METROPOLITAN AREA	1986-1988, avg.	1988
Albany-Schenectady-Troy, NY.....	4.0	4.0	Lawiston-Auburn, ME.....	1.5	1.5
Allentown-Bethlehem, PA-NJ.....	3.1	10.1	Lexington-Fayette, KY.....	2.7	5.0
Altona, PA.....	2.0	4.0	Lincoln County, ME ¹	2.4	(NA)
Anderson, SC.....	3.1	3.1	Livingston County, KY ¹	1.8	3.3
Atlanta, GA.....	10.2	13.2	Los Angeles-Anaheim-Riverside, CA CMSA.....	145.4	148.0
Atlantic City, NJ.....	3.7	6.0	Louisville, KY-IN.....	5.6	4.5
Bakersfield, CA.....	37.8	54.0	Manchester, NH.....	2.4	2.0
Baltimore, MD.....	13.3	19.3	Memphis, TN-AR-MS.....	2.7	4.1
Baton Rouge, LA.....	4.1	6.3	Miami-Fort Lauderdale, FL CMSA.....	2.4	3.0
Beaumont-Port Arthur, TX.....	4.5	6.8	Milwaukee-Racine, WI CMSA.....	9.1	14.2
Birmingham, AL.....	3.7	2.0	Modesto, CA.....	6.0	4.0
Boston-Lawrence-Salem, MA-NH CMSA.....	10.0	11.4	Montgomery, AL.....	1.8	1.1
Buffalo-Niagara Falls, NY CMSA.....	3.4	8.3	Muskegon, MI.....	9.0	12.1
Canton, OH.....	1.7	5.2	Nashville, TN.....	6.0	11.7
Charleston, WV.....	2.7	7.0	New York-Northern NJ-Long Island, NY-NJ-CT CMSA.....	18.0	19.4
Charlotte-Gastonia-Rock Hill, NC-SC.....	5.7	7.1	Norfolk-Virginia Beach-Newport News, VA.....	3.0	4.0
Chicago-Gary-Lake County, IL-IN-WI CMSA.....	21.2	16.2	Owensboro, KY.....	4.1	10.2
Cincinnati-Hamilton, OH-KY-IN CMSA.....	5.4	14.1	Parkersburg-Marshall, WV-OH.....	7.2	17.0
Cleveland-Akron-Lorain, OH CMSA.....	5.8	13.3	Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA.....	8.9	18.2
Columbia, SC.....	1.6	2.1	Phoenix, AZ.....	1.4	1.1
Columbus, OH.....	1.4	4.0	Pittsburgh-Beaver Valley, PA CMSA.....	6.6	14.8
Dallas-Fort Worth, TX CMSA.....	5.8	4.3	Portland-Vancouver, OR-WA CMSA.....	1.8	2.4
Dayton-Springfield, OH.....	2.7	6.2	Portland, ME.....	5.4	11.2
Detroit-Arn Arbor, MI CMSA.....	3.3	4.1	Portsmouth-Dover-Rochester, NH-ME.....	7.8	11.1
Elmwood County, KY ¹	2.1	5.2	Poughkeepsie, NY.....	1.7	4.0
El Paso, TX.....	8.1	5.4	Providence-Pawtucket-Fall River, RI-MA CMSA.....	6.6	8.5
Erie, PA.....	2.4	6.1	Raleigh-Durham, NC.....	4.4	10.2
Essex County, NY ¹	1.8	5.4	Reading, PA.....	3.4	9.2
Fayetteville, NC.....	1.4	3.1	Richmond-Petersburg, VA.....	4.4	9.2
Fresno, CA.....	31.6	30.3	Sacramento, CA.....	8.9	15.5
Grand Rapids, MI.....	3.1	7.0	St. Louis, MO-IL.....	7.5	7.3
Greenbrier County, WV ¹	1.4	4.1	Salt Lake City-Ogden, UT.....	3.1	2.2
Greensboro-Winston-Salem-High Point, NC.....	7.2	7.2	San Diego, CA.....	11.1	7.1
Greenville-Spartanburg, SC.....	4.8	4.8	San Francisco-Oakland-San Jose, CA CMSA.....	3.4	4.1
Hancock County, ME ¹	12.0	12.0	Santa Barbara-Santa Maria-Lompoc, CA.....	1.7	-
Harrisburg-Lebanon-Carlisle, PA.....	2.2	6.9	Scranton-Wilkes-Barre, PA.....	3.0	8.1
Hartford-New Britain-Middletown, CT CMSA.....	6.9	10.0	Sheboygan, WI.....	9.5	15.5
Houston-Galveston-Brazoria, TX CMSA.....	12.6	8.3	South Bend-Mishawaka, IN.....	1.1	3.2
Huntington-Ashland, WV-KY-OH.....	6.2	10.4	Springfield, MA.....	7.3	13.4
Huntsville, AL.....	1.1	2.1	Stockton, CA.....	2.3	2.0
Indianapolis, IN.....	1.1	2.1	Sussex County, DE ¹	3.6	9.9
Jacksonville, FL.....	1.1	1.1	Tampa-St. Petersburg-Clearwater, FL.....	1.7	-
Jefferson County, NY ¹	5.1	6.1	Toledo, OH.....	2.4	6.2
Johnstown, PA.....	2.5	7.4	Tulsa, OK.....	1.1	1.0
Kansas City, MO-KS.....	1.7	3.0	Visalia-Tulare-Porterville, CA.....	8.5	4.0
Kewaunee County, WI ¹	5.5	10.6	Washington, DC-MD-VA.....	8.3	13.8
Knox County, ME ¹	8.1	15.6	Waldo County, ME ¹	2.0	(NA)
Knoxville, TN.....	1.8	5.4	Worcester, MA.....	7.3	17.1
Lafayette, IN.....	2.1	2.1	York, PA.....	1.5	4.6
Lake Charles, LA.....	2.0	3.0	Youngstown-Warren, OH.....	2.5	5.4
Lancaster, PA.....	1.3	3.0			

- Represents zero. NA Not available. ¹ Not a metropolitan area. ² Greater than 1.0.³ Includes Sharon, PA.

Source of tables 352 and 353: U.S. Environmental Protection Agency, press release of July 27, 1989.

Figure 6.2
Hazardous Waste Sites: June 1988



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 26.

NO. 354. HAZARDOUS WASTE SITES ON THE NATIONAL PRIORITY LIST, BY STATE: 1989

(Includes both proposed and final sites listed on the National Priorities List for the Superfund program as authorized by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and the Superfund Amendments and Reauthorization Act of 1986)

STATE	Total sites	Non-Federal sites	Federal sites	STATE	Total sites	Non-Federal sites	Federal sites
United States ¹	1,219	1,102	117	Mississippi	3	3	-
Alabama	12	10	2	Missouri	24	21	3
Alaska	6	2	4	Montana	10	10	-
Arizona	11	8	3	Nebraska	6	5	1
Arkansas	11	11	-	Nevada	1	1	-
California	91	70	21	New Hampshire	16	15	1
Colorado	16	13	3	New Jersey	109	103	6
Connecticut	15	14	1	New Mexico	10	8	2
Delaware	20	19	1	New York	83	79	4
District of Columbia	-	-	1	North Carolina	22	21	1
Florida	51	47	4	North Dakota	2	2	-
Georgia	13	11	2	Ohio	33	30	3
Hawaii	7	6	1	Oklahoma	12	11	1
Idaho	9	7	2	Oregon	8	7	1
Illinois	38	34	4	Pennsylvania	97	93	4
Indiana	35	35	-	Rhode Island	11	9	2
Iowa	21	20	1	South Carolina	23	22	1
Kansas	11	10	1	South Dakota	3	2	1
Kentucky	17	17	1	Tennessee	14	12	2
Louisiana	11	10	1	Texas	29	26	3
Maine	9	7	2	Utah	12	8	4
Maryland	10	8	2	Vermont	8	8	-
Massachusetts	25	22	3	Virginia	20	19	1
Michigan	79	79	-	Washington	45	31	14
Minnesota	42	40	2	West Virginia	5	5	-
				Wisconsin	40	40	-
				Wyoming	3	2	1

- Represents zero. ¹ Includes outlying areas, not shown separately.

Source: U.S. Environmental Protection Agency, press release, October 1989.

Geography and Environment

No. 355. MUNICIPAL SOLID WASTE GENERATION, RECOVERY, AND DISPOSAL: 1960 TO 1986

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
Gross waste generated.....	87.5	102.3	120.5	125.3	142.6	144.8	142.0	148.3	153.6	152.5	157.7
Per person per day (lb.).....	2.65	2.88	3.22	3.18	3.43	3.45	3.35	3.47	3.56	3.49	3.58
Materials recovered.....	5.8	6.2	8.0	9.1	13.4	13.2	12.9	13.9	15.3	15.3	16.9
Per person per day (lb.).....	.18	.17	.21	.23	.32	.31	.30	.32	.35	.35	.39
Processed for energy recovery.....	(NA)	.2	.4	.7	2.7	2.3	3.5	5.0	6.5	7.6	.96
Per person per day (lb.).....	(NA)	.01	.01	.02	.06	.05	.08	.12	.15	.17	.22
Net waste disposed of.....	81.7	95.9	112.1	115.5	126.5	129.3	125.6	129.5	131.8	129.7	131.2
Per person per day (lb.).....	2.48	2.70	3.00	2.93	3.04	3.08	2.96	3.03	3.05	2.97	2.98
Percent distribution of net discards: ¹											
Paper and paperboard.....	30.0	33.5	32.4	29.6	32.5	33.1	32.1	34.1	35.7	35.5	35.6
Glass.....	7.8	8.8	11.1	11.4	11.0	10.9	10.7	9.9	9.3	8.9	8.4
Metals.....	12.8	11.1	12.0	11.5	10.1	9.8	9.7	9.6	9.3	9.0	8.9
Plastics.....	.5	1.5	2.7	3.8	5.9	5.9	6.5	6.8	7.1	7.1	7.3
Rubber and leather.....	2.1	2.3	2.7	3.2	3.2	3.1	2.9	2.5	2.4	2.5	2.8
Textiles.....	2.1	2.0	1.8	1.9	2.0	2.6	2.2	2.1	2.0	2.0	2.0
Wood.....	3.7	3.8	3.6	3.8	3.8	3.3	3.9	3.9	3.7	3.9	4.1
Food wastes.....	14.9	12.9	11.4	11.5	9.2	9.2	9.3	8.9	8.8	9.0	8.9
Yard wastes.....	24.5	22.5	20.6	21.7	20.5	20.3	20.9	20.4	20.1	20.4	20.1
Other wastes.....	1.6	1.7	1.6	1.7	1.7	1.7	1.8	1.8	1.7	1.8	1.8

NA Not available. ¹ Net discards after materials recovery and before energy recovery.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 2000, 1988*. Prepared for the U.S. Environmental Protection Agency.

No. 356. GENERATION AND RECOVERY OF SELECTED MATERIALS IN MUNICIPAL SOLID WASTE: 1960 TO 1986

[In millions of tons, except as indicated. Covers post-consumer residential and commercial solid wastes which comprise the major portion of typical municipal collections. Excludes mining, agricultural and industrial processing, demolition and construction wastes, sewage sludge, and junked autos and obsolete equipment wastes. Based on material-flows estimating procedure and wet weight as generated]

ITEM AND MATERIAL	1960	1965	1970	1975	1980	1981	1982	1983	1984	1985	1986
Gross waste generated:											
Paper and paperboard.....	29.8	37.9	43.9	42.6	53.9	55.0	52.4	57.7	62.5	61.7	64.7
Ferrous metals.....	9.9	10.1	12.6	12.3	11.6	11.4	11.3	11.4	11.3	10.7	11.0
Aluminum.....	.4	.5	.9	1.1	1.8	1.9	1.9	2.1	2.2	2.3	2.4
Glass.....	6.5	8.6	12.7	13.8	14.9	15.0	14.5	14.2	13.8	13.2	12.9
Plastics.....	.4	1.4	3.0	4.4	7.6	7.8	8.4	9.1	9.7	9.8	10.3
Materials recovered:											
Paper and paperboard.....	5.4	5.7	7.4	8.2	11.8	11.4	11.1	12.0	13.2	13.0	14.6
Ferrous metals.....	.1	.1	.2	.2	.4	.3	.3	.3	.3	.3	.4
Aluminum.....	(NA)	(NA)	(NA)	.1	.3	.5	.6	.6	.6	.6	.6
Glass.....	.1	.1	.2	.4	.8	.8	.8	.9	1.0	1.1	1.1
Plastics.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	.1	.1	.1
Percent of gross discards recovered:											
Paper and paperboard.....	18.1	15.0	16.9	19.2	21.9	20.7	21.2	20.8	21.1	21.1	22.6
Ferrous metals.....	.5	1.0	1.6	1.6	3.4	2.6	2.6	2.6	2.7	2.8	3.6
Aluminum.....	(NA)	(NA)	(NA)	9.1	16.7	26.3	31.6	28.6	27.3	26.1	25.0
Glass.....	1.5	1.2	2.3	2.9	5.4	5.3	5.5	6.3	7.2	8.3	8.5
Plastics.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.0	1.0	1.0

NA Not available.

Source: Franklin Associates, Ltd., Prairie Village, KS, *Characterization of Municipal Solid Waste in the United States, 1960 to 2000, 1988*. Prepared for the U.S. Environmental Protection Agency.

No. 357. SYNTHETIC ORGANIC PESTICIDES—PRODUCTION AND SALES: 1970 TO 1987

[Includes a small quantity of soil conditioners]

ITEM	Unit	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987
Production, total.....	Mt. lb ...	1,034	1,603	1,416	1,429	1,468	1,430	1,113	1,017	1,189	1,235	1,180	1,040
Herbicides.....	Mt. lb ...	404	768	664	657	806	839	623	570	716	756	725	556
Insecticides.....	Mt. lb ...	490	660	605	617	506	448	379	324	350	370	342	379
Fungicides.....	Mt. lb ...	140	155	147	155	156	143	111	123	123	109	113	105
Production value ¹	Mt. dol. ...	1,058	2,900	3,342	3,685	4,269	5,136	4,331	3,993	5,056	5,366	5,305	4,725
Sales, total.....	Mt. lb ...	881	1,317	1,300	1,369	1,405	1,291	1,147	1,017	1,108	1,022	940	911
Sales value.....	Mt. dol. ...	870	2,359	3,041	3,631	4,078	4,652	4,432	4,054	4,730	4,437	4,234	4,171

¹ Manufacturers unit value multiplied by production.

Source: U.S. Dept. of Agriculture, Agricultural Stabilization and Conservation Service, *The Pesticide Review*, 1978; and unpublished data. Based on data from U.S. International Trade Commission, *Synthetic Organic Chemicals*, annual.

Pollution Abatement Expenditures

207

NO. 358. POLLUTION ABATEMENT AND CONTROL EXPENDITURES, 1975 TO 1987, AND BY MEDIA, 1987

[In millions of dollars, except percent. Excludes agricultural production of crops and livestock except feedlots]

TYPE	1975	1980	1982	1983	1984	1985	1986	1987, prel.			
								Total ¹	Air	Water	Solid waste
Total expenditures.....	30,177	53,538	57,680	61,779	68,929	74,636	78,712	81,057	32,273	32,967	16,865
Percent Government.....	28.9	25.3	21.8	20.7	20.7	21.3	22.6	23.2	3.0	35.8	31.6
Pollution abatement.....	28,420	50,491	54,500	58,060	65,230	70,945	74,607	76,890	30,087	32,065	16,225
Personal consumption.....	3,243	6,589	8,318	9,771	10,767	11,839	12,276	10,905	10,905	-	-
Business.....	17,602	32,283	35,610	37,589	42,191	45,097	46,743	49,368	18,811	20,866	11,361
Government.....	7,576	11,620	10,571	10,700	12,273	14,009	15,588	16,618	372	11,099	4,865
Federal.....	432	494	550	795	944	1,225	1,346	1,237	80	707	250
State and local.....	1,752	2,778	3,274	3,547	3,886	4,324	4,788	5,138	15	426	4,615
Govt. enterprise fixed capital.....	5,392	8,347	6,747	6,358	7,443	8,480	9,454	10,243	277	9,966	-
Regulation and monitoring.....	653	1,296	1,397	1,385	1,362	1,279	1,532	1,519	410	583	300
Research and development.....	1,104	1,751	1,783	2,335	2,337	2,412	2,573	2,648	1,776	339	129
CONSTANT (1982) DOLLARS											
Total expenditures.....	53,613	62,046	57,680	60,007	64,713	68,121	71,800	71,366	30,136	28,700	13,509

- Represents zero. ¹ Includes "other and unallocated" expenditures (such as for noise, radiation, and pesticide pollution and business expenditures not assigned to media) which may be either positive or negative; therefore, data may not add.

NO. 359. AIR AND WATER POLLUTION ABATEMENT EXPENDITURES IN CONSTANT (1982) DOLLARS: 1975 TO 1987

[In millions of dollars. See headnote, table 358]

YEAR	AIR							WATER				
	Total	Mobile sources ¹			Stationary sources			Total ⁴	Industrial		Public sewer systems ⁵	
		Total	Cars	Trucks	Total ²	Faci- lities	Oper- ations ³		Facili- ties	Oper- ations ³	Facili- ties	Oper- ations ³
1975.....	20,768	9,324	7,419	1,904	11,444	6,669	4,348	22,840	4,200	2,950	8,987	3,428
1980.....	24,744	11,764	8,818	2,946	12,980	5,946	6,304	24,647	3,725	4,061	8,942	4,694
1981.....	25,850	13,401	10,564	2,837	12,448	5,446	6,299	21,884	3,259	4,180	6,882	4,880
1982.....	24,981	13,464	10,530	2,934	11,496	5,086	5,675	21,199	3,080	4,022	6,149	5,156
1983.....	26,367	15,581	12,274	3,307	10,785	4,104	5,990	21,543	2,811	4,509	5,551	5,475
1984.....	26,591	17,561	13,481	4,081	11,030	4,115	6,260	23,257	2,900	4,795	6,387	5,649
1985.....	29,665	18,897	14,209	4,488	10,988	3,935	6,452	24,724	2,995	5,035	7,005	6,016
1986.....	30,580	19,508	14,804	4,704	10,073	3,884	6,660	26,386	2,853	5,319	7,774	6,691
1987, prel.....	28,253	16,746	12,392	4,354	11,508	3,955	7,039	27,933	3,131	5,987	8,256	7,081

¹ Excludes expenditures to reduce emissions from sources other than cars and trucks. ² Includes other expenditures not shown separately. ³ Operation of facilities. ⁴ Includes nonpoint sources not shown separately. ⁵ Includes expenditures for private connectors to sewer systems, by owners of animal feedlots, and by government enterprises.

Source of tables 358 and 359: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1989.

NO. 360. NEW CAPITAL BUSINESS EXPENDITURES FOR POLLUTION ABATEMENT: 1975 TO 1988

SIC ¹	SELECTED INDUSTRY	POLLUTION ABATEMENT EXPENDITURES (bill. dol.)								PERCENT OF TOTAL CAPITAL OUTLAYS BY BUSINESS ³			
		1975	1980	1985	1986	1987				1988 ² planned	1975	1980	1988 ²
						Total	Air	Water	Solid waste				
(x)	Nonfarm business, total ⁴	6.81	9.19	8.61	8.45	9.12	4.18	3.58	1.36	9.02	4.2	2.9	1.9
(x)	Manufacturing ⁴	4.66	5.35	5.13	5.33	6.22	2.63	2.69	.89	6.51	8.7	4.8	4.1
20	Food, incl. beverage	.30	.26	.25	.27	.28	.08	.15	.04	.32	6.8	3.2	2.6
26	Paper	.47	.46	.58	.55	.45	.26	.08	.11	.72	16.0	7.1	6.3
28	Chemicals	.76	.69	.74	.98	.86	.30	.41	.14	1.26	10.7	5.9	7.1
29	Petroleum	1.21	1.54	1.25	1.28	2.11	.90	.95	.26	1.65	13.3	7.9	8.7
33	Primary metals	.92	.94	.89	.76	.88	.45	.37	.06	.91	16.9	13.9	9.2
35	Machinery, except electrical	.09	.12	.15	.10	.15	.05	.09	.02	.18	1.9	1.1	1.2
36	Electrical machinery	.09	.22	.18	.25	.32	.07	.20	.05	.20	2.9	2.3	1.2
37	Transportation equipment	.15	.48	.55	.60	.46	.21	.17	.06	.50	2.7	3.2	3.1
49	Public utilities	1.56	3.05	2.87	2.50	2.28	1.32	.65	.31	1.75	7.7	8.1	3.8

¹ Not applicable. ² Standard Industrial Classification, see text, section 13. ³ Expenditures planned as of January and February 1988. ⁴ Based on outlays reported in source; see also table 892. ⁴ Includes industries not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, November 1988.

NO. 361. POLLUTION ABATEMENT CAPITAL EXPENDITURES AND OPERATING COSTS OF MANUFACTURING ESTABLISHMENTS, 1980 TO 1986, AND BY SELECTED INDUSTRY GROUP, 1986

[In millions of dollars. Based on probability sample of about 20,000 manufacturing establishments. Excludes apparel and other textile establishments and establishments with less than 20 employees. Data will not agree with those shown in table 356; see source for details]

YEAR AND INDUSTRY GROUP	POLLUTION ABATEMENT CAPITAL EXPENDITURES				POLLUTION ABATEMENT GROSS OPERATING COSTS ¹						
	Total	Air	Water	Solid waste		Total	Air	Water	Solid waste		
				Hazardous	Non-hazardous				Hazardous	Non-hazardous	
1980	3,502.9	2,105.5	1,146.5	251.0	—	8,141.8	3,297.8	3,193.1	—	1,650.6	
1981	3,484.9	2,193.6	1,028.4	263.1	—	9,108.9	3,697.8	3,554.3	—	1,855.7	
1982	3,024.1	1,828.2	977.0	218.5	—	8,565.0	3,455.9	3,488.5	—	1,619.9	
1983	2,045.0	1,028.0	819.0	60.9	136.0	9,925.1	3,806.9	3,943.2	—	573.5	1,801.8
1984	2,171.8	1,037.8	887.8	89.7	156.7	10,888.1	4,189.3	4,296.4	—	770.3	1,632.2
1985	2,009.7	1,292.3	1,017.9	326.2	172.9	11,677.9	4,330.2	4,609.5	—	943.0	1,795.3
All Industries, 1986 ²	2,846.9	1,482.8	1,036.7	168.7	176.0	12,258.1	4,261.0	4,820.2	—	1,135.5	2,041.4
Food	185.8	61.9	108.2	2.9	12.8	932.1	126.0	560.0	—	5.8	240.4
Lumber and wood	33.4	17.8	11.0	1.7	2.8	178.9	61.7	42.6	—	13.5	61.2
Paper	271.3	137.1	96.9	4.8	32.5	1,154.6	319.2	585.7	—	32.0	237.7
Chemicals	624.4	197.9	325.5	57.3	43.6	2,654.3	646.5	1,301.9	—	350.0	355.9
Petroleum	424.3	273.6	121.5	22.9	6.2	2,005.2	1,230.9	578.0	—	109.7	86.6
Stone, clay, glass	84.4	53.1	13.7	3.8	13.8	423.6	237.0	68.3	—	19.0	99.4
Primary metal	225.9	102.8	74.6	23.9	24.5	1,741.9	968.5	509.4	—	100.5	163.6
Fabricated metals	135.8	36.7	80.9	9.6	8.6	502.5	95.6	187.7	—	99.6	119.6
Machinery exc. electrical	48.7	16.7	25.7	3.8	2.5	487.0	209.7	128.2	—	60.8	88.3
Electrical machinery	125.1	46.6	61.5	13.9	3.0	530.8	88.3	210.9	—	114.1	117.4
Transportation equipment	541.1	432.4	81.8	18.4	8.4	770.0	195.7	269.4	—	127.4	177.5

¹ Includes payments to governmental units. ² Includes industries not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-200, annual.

NO. 362. THREATENED AND ENDANGERED WILDLIFE AND PLANT SPECIES—NUMBER: 1989

[As of March 31. Endangered species: One in danger of becoming extinct throughout all or a significant part of its natural range. Threatened species: One likely to become endangered in the foreseeable future]

ITEM	Mammals	Birds	Reptiles	Amphibians	Fishes	Snails	Clams	Crustaceans	Insects	Plants
Endangered species, total	290	221	74	13	58	4	34	8	10	159
U.S. only	31	61	8	5	45	3	32	8	10	152
U.S. and foreign	19	15	7	—	2	—	—	—	—	6
Foreign only ¹	240	145	59	8	11	1	2	—	—	1
Threatened species, total	30	10	32	4	30	5	—	1	7	48
U.S. only	5	7	14	4	24	5	—	1	7	40
U.S. and foreign	2	3	4	—	6	—	—	—	—	6
Foreign only ¹	23	—	14	—	—	—	—	—	—	2

¹ Represents zero. ² Species outside U.S. and outlying areas as determined by Fish and Wildlife Service.

Source: U.S. Fish and Wildlife Service, *Endangered Species Technical Bulletin*, April 1989, Vol. XIII, No. 4.

NO. 363. TORNADOES, FLOODS, AND TROPICAL CYCLONES: 1966 TO 1988

[See also *Historical Statistics, Colonial Times to 1970*, series J 268-278]

ITEM	1966-1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Tornadoes, number ¹	8,030	835	852	788	852	866	783	1,046	931	907	684	764	656	702
Lives lost, total	1,172	44	43	53	84	28	24	64	34	122	94	15	59	32
Most in a single tornado	58	5	22	16	42	5	5	10	3	16	18	3	30	5
Property loss of \$500,000 and over	428	46	46	59	73	92	55	92	95	125	69	75	38	48
Floods: Lives lost	1,528	187	212	125	103	97	90	155	200	126	304	80	82	(NA)
Property loss (mil. dol.)	10,225	1,000	1,393	1,000	4,000	1,500	1,000	3,500	4,100	4,000	3,000	4,000	1,490	(NA)
North Atlantic tropical cyclones and hurricanes: ²	10,225	1,000	1,393	1,000	4,000	1,500	1,000	3,500	4,100	4,000	3,000	4,000	1,490	—
Number reaching U.S. coast	25	2	1	2	5	2	2	1	2	2	11	6	7	12
Hurricanes only	13	1	1	—	3	1	—	—	22	1	7	4	2	5
Lives lost in U.S.	504	9	—	35	11	2	—	—	22	4	30	9	—	—

¹ Represents zero. NA Not available. ² A violent, rotating column of air descending from a cumulonimbus cloud in the form of a tubular- or funnel-shaped cloud, usually characterized by movements along a narrow path and wind speeds from 100 to over 300 miles per hour. Also known as a "twister" or "waterspout." ³ Tropical cyclones have maximum winds of 39 to 73 miles per hour; hurricanes have maximum winds of 74 miles per hour or higher.

Source: U.S. National Oceanic and Atmospheric Administration, 1966-1980, *Climatological Data: National Summary*, monthly with annual summary; thereafter, *Storm Data*, monthly.

Daily Mean Temperature

209

No. 364. NORMAL DAILY MEAN TEMPERATURE—SELECTED CITIES

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 110-136 and J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	50.8	53.6	60.1	68.0	74.9	80.5	82.2	81.8	78.2	68.5	58.6	53.1	67.5
AK	Juneau	21.8	27.8	31.2	39.1	46.5	52.7	55.7	54.6	49.2	41.8	32.7	26.8	40.0
AZ	Phoenix	52.3	56.1	60.6	68.0	77.0	86.5	92.3	89.9	84.8	73.4	60.5	53.3	71.2
AR	Little Rock	39.9	44.1	52.2	62.4	70.5	78.5	82.1	81.0	74.3	63.1	51.2	43.2	61.9
CA	Los Angeles	56.0	57.1	57.4	59.5	62.4	65.6	69.0	70.3	69.5	66.3	61.2	57.0	62.8
	Sacramento	45.3	50.3	53.2	58.2	64.9	71.2	75.6	74.7	72.2	71.0	67.5	61.8	57.4
	San Diego	56.8	58.4	59.0	61.2	63.4	66.3	70.3	72.2	71.0	67.5	61.8	57.4	63.8
	San Francisco	48.5	51.6	52.8	54.8	57.8	60.8	62.2	63.0	63.9	60.6	54.5	49.2	56.6
CO	Denver	29.5	33.6	38.0	47.4	57.2	67.0	73.3	71.4	62.6	51.9	38.7	32.6	50.3
CT	Hartford	25.2	27.6	36.8	48.8	59.4	68.6	73.4	71.3	63.3	52.4	41.6	29.1	49.8
DE	Wilmington	31.2	33.2	41.8	52.4	62.2	71.2	76.0	74.8	67.9	56.3	45.6	35.5	54.0
DC	Washington	35.2	37.5	45.8	56.7	66.0	74.5	78.9	77.6	71.1	59.3	48.7	38.9	57.5
FL	Jacksonville	53.2	55.1	61.3	67.7	74.1	79.0	81.3	81.0	78.2	69.5	60.8	54.8	68.0
	Miami	67.1	67.8	71.7	75.3	78.5	81.0	82.4	82.8	81.8	77.9	72.8	68.5	75.6
GA	Atlanta	41.9	44.9	52.5	61.8	69.3	75.8	78.6	78.2	73.0	62.2	52.0	44.5	61.2
HI	Honolulu	72.6	72.9	74.4	75.7	77.5	79.1	80.1	81.0	80.6	79.5	76.6	74.0	77.0
ID	Boise	29.9	36.1	41.4	48.6	57.4	65.8	74.6	72.0	62.2	51.9	39.7	32.0	51.1
IL	Chicago	21.4	26.0	36.0	46.8	59.1	66.8	73.0	71.9	64.7	53.5	39.8	27.7	49.2
	Peoria	21.5	26.8	37.3	51.3	61.6	71.2	75.0	73.1	65.6	53.9	39.8	27.8	50.4
IN	Indianapolis	26.0	29.9	40.0	52.4	62.5	71.8	75.1	73.2	66.6	54.8	41.8	31.5	52.1
IA	Des Moines	18.6	24.5	35.1	50.5	62.1	71.6	76.3	73.9	65.1	54.2	38.6	25.7	49.7
KS	Wichita	29.6	35.1	44.1	56.3	65.9	76.1	81.4	79.7	70.6	59.1	44.3	34.4	56.4
KY	Louisville	32.5	35.9	45.1	56.6	65.4	73.7	77.6	76.4	68.9	57.7	46.1	37.2	56.2
LA	New Orleans	52.4	54.7	61.4	68.7	74.9	80.3	82.1	81.7	78.5	69.2	60.0	54.6	68.2
ME	Portland	21.5	23.0	32.1	42.8	52.8	62.2	68.1	66.6	58.6	48.4	38.4	25.8	45.0
MD	Baltimore	32.7	34.7	43.3	54.0	63.4	72.2	76.8	75.6	68.9	56.9	48.3	36.5	55.1
MA	Boston	29.6	30.7	38.4	48.7	58.5	68.0	73.5	71.9	64.6	54.6	45.2	33.7	51.5
MI	Detroit	23.4	25.8	35.0	47.4	58.1	67.7	71.9	70.5	63.3	51.9	39.5	28.5	48.6
MN	Sault Ste. Marie	13.3	14.3	23.9	38.1	49.7	58.4	63.5	62.9	54.8	45.3	32.8	19.7	39.7
	Duluth	6.3	12.0	22.9	38.3	50.3	59.4	65.3	63.2	54.0	44.2	28.2	13.8	38.2
MIN	Minneapolis-St. Paul	11.2	17.5	29.2	46.0	58.5	68.1	73.1	70.6	60.6	49.6	33.2	19.2	44.7
MS	Jackson	45.7	49.1	56.3	65.1	72.5	79.2	81.9	81.2	76.4	65.0	54.9	48.6	64.6
MO	Kansas City	26.9	32.1	41.5	54.8	64.6	73.6	78.5	76.7	68.4	57.5	43.1	31.9	54.1
	St. Louis	28.8	33.8	43.2	56.1	65.6	74.8	78.9	77.0	69.7	57.9	44.6	34.2	55.4
MT	Great Falls	18.7	26.7	31.4	42.7	53.2	61.9	69.3	67.5	57.4	47.9	34.0	25.7	44.7
NE	Omaha	20.2	27.2	37.3	52.2	63.3	73.0	77.7	75.2	66.8	54.5	39.5	27.2	51.1
NV	Reno	32.2	37.4	40.6	46.4	54.6	62.4	69.5	66.9	60.2	50.3	39.7	32.5	49.4
NH	Concord	19.8	22.2	32.1	44.1	55.2	64.7	69.5	67.3	59.1	48.2	37.3	24.5	45.3
NJ	Atlantic City	31.8	33.2	41.0	51.0	65.6	69.2	74.4	73.0	66.6	55.5	45.6	35.8	53.1
NM	Albuquerque	34.8	39.4	46.2	55.1	64.3	74.5	78.8	76.1	69.0	57.4	44.0	35.6	56.2
NY	Albany	21.1	23.4	33.6	46.6	56.5	67.7	71.4	69.2	61.2	50.5	39.3	26.5	47.3
	Buffalo	23.5	24.5	33.0	45.4	56.1	66.0	70.7	68.9	62.1	51.5	40.3	28.8	47.6
NC	New York ¹	31.8	33.4	41.4	52.4	62.5	71.4	76.7	75.4	68.3	57.7	47.2	36.2	54.5
	Charlotte	40.5	42.9	50.4	60.3	68.2	75.0	78.5	77.9	72.0	60.7	50.7	42.6	60.0
ND	Raleigh	39.6	41.6	49.3	59.5	67.2	73.8	77.7	77.0	71.0	59.7	50.0	42.0	59.0
	Bismarck	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
OH	Cincinnati	28.9	32.1	41.8	53.5	63.0	71.4	75.4	74.1	67.5	55.3	43.4	33.8	53.4
	Cleveland	25.5	27.4	36.8	48.1	58.2	67.6	71.6	70.4	64.1	53.2	41.8	31.1	49.6
	Columbus	27.1	29.8	40.0	51.4	61.4	70.2	73.8	72.4	65.8	53.9	42.1	32.1	51.7
OK	Oklahoma City	35.9	40.8	49.1	60.2	68.4	77.0	82.1	81.1	73.3	62.3	48.8	39.9	59.9
OR	Portland	36.9	43.2	45.9	54.7	60.4	65.7	62.5	67.7	67.3	54.3	45.5	40.9	53.0
PA	Philadelphia	31.2	33.1	41.8	52.9	62.8	71.6	76.5	75.3	68.2	56.5	45.8	35.5	54.3
	Pittsburgh	26.7	28.8	38.6	50.1	59.7	68.1	72.0	70.6	64.1	52.5	41.6	31.4	50.3
RI	Providence	28.2	29.3	37.4	47.9	57.6	66.8	72.5	71.1	60.3	53.2	43.4	32.3	50.3
SC	Columbia	44.7	47.1	54.5	63.8	71.5	77.7	81.0	80.2	74.8	62.4	53.9	46.7	62.3
SD	Sioux Falls	12.4	19.1	30.4	46.3	58.2	68.4	74.0	71.8	61.0	49.4	33.0	19.7	45.3
TN	Memphis	39.6	43.5	51.7	62.6	71.0	78.7	82.1	80.6	74.2	62.9	51.3	43.3	61.8
	Nashville	37.1	40.4	49.0	59.6	66.1	75.8	79.4	78.4	72.3	60.2	48.6	40.9	59.2
TX	Dallas-Fort Worth	44.0	48.5	56.1	65.9	73.7	82.0	86.3	85.5	78.6	67.9	55.6	47.8	66.0
	El Paso	44.2	48.4	55.1	63.6	71.9	80.8	82.5	80.3	74.7	63.6	51.4	44.4	63.4
	Houston	51.4	54.5	61.0	68.7	74.9	80.6	83.1	82.6	78.4	69.7	60.1	54.0	66.3
UT	Salt Lake City	28.6	34.1	40.7	49.2	58.8	68.3	77.5	74.9	65.0	53.0	39.7	30.3	51.7
VT	Burlington	16.6	18.1	29.2	42.7	55.2	64.9	69.6	67.1	58.8	47.9	36.6	22.6	44.1
VA	Norfolk	39.9	41.1	48.5	58.2	66.4	74.3	78.4	77.7	72.2	61.3	51.9	43.5	59.5
	Richmond	36.6	38.9	47.2	57.9	66.1	73.5	77.8	76.8	70.2	58.6	48.9	39.9	57.7
WA	Seattle-Tacoma	39.1	42.8	44.2	48.7	55.0	60.2	64.8	64.1	60.0	52.5	44.8	41.0	51.4
	Spokane	25.7	32.4	37.6	45.8	54.3	61.7	69.7	68.1	59.4	47.6	34.9	29.0	47.2
WV	Charleston	32.9	35.6	44.8	55.3	63.9	71.0	74.5	73.7	67.6	55.9	45.3	36.9	54.8
WI	Milwaukee	18.7	23.0	32.1	44.6	54.8	64.9	70.5	69.3	61.9	50.9	37.3	25.1	46.1
WY	Cheyenne	26.1	29.3	32.1	41.8	52.2	62.0	68.9	66.8	57.9	47.5	34.8	29.3	45.7
PR	San Juan	76.5	76.6	77.5	78.8	80.3	81.7	82.0	82.2	81.9	81.4	79.6	77.7	79.7

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1982.

Geography and Environment

No. 365. NORMAL DAILY MAXIMUM TEMPERATURE—SELECTED CITIES

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	60.6	63.9	70.3	78.3	84.9	90.2	91.2	90.7	87.0	79.4	69.3	63.1	77.4
AK	Juneau	27.4	33.7	37.4	46.8	54.7	61.1	64.0	62.6	55.9	47.0	37.5	31.5	46.6
AZ	Phoenix	65.2	69.7	74.5	83.1	92.4	102.3	105.0	102.3	98.2	87.7	74.3	66.4	85.1
AR	Little Rock	49.8	54.5	63.2	73.8	81.7	89.5	92.7	92.3	85.6	75.8	62.4	53.2	72.9
CA	Los Angeles	64.8	65.5	65.1	66.7	69.1	72.0	75.3	76.5	74.4	74.0	70.3	66.1	70.1
Sacramento	52.6	59.4	64.1	71.0	79.7	87.4	93.3	91.7	87.6	77.7	63.2	53.2	73.4	
San Diego	65.2	66.4	65.9	67.8	68.6	71.3	75.6	77.6	78.8	74.6	69.9	66.1	70.5	
San Francisco	55.5	59.0	60.8	63.0	66.3	69.8	71.0	71.8	73.4	70.0	62.7	56.3	64.9	
CO	Denver	43.1	46.9	51.2	61.0	70.7	81.6	88.0	85.8	77.5	66.8	52.4	46.1	64.3
CT	Hartford	33.6	36.3	45.5	60.0	71.4	80.1	84.8	82.6	74.8	63.9	50.6	37.3	60.1
DE	Wilmington	39.2	41.8	50.9	63.0	72.7	81.2	85.6	84.1	77.8	66.7	54.8	43.8	63.5
DC	Washington	42.9	45.8	55.0	67.1	75.9	84.0	87.9	86.4	80.1	68.9	57.4	46.8	66.5
FL	Jacksonville	64.6	66.8	73.3	79.7	85.2	88.9	90.7	90.2	86.9	79.7	72.4	66.3	78.7
Miami	75.0	75.8	79.3	82.4	85.1	87.3	88.7	89.2	87.8	84.2	79.8	76.2	82.6	
GA	Atlanta	51.2	55.3	63.2	73.2	79.8	85.6	87.9	87.6	82.3	72.9	62.6	54.1	71.3
HI	Honolulu	79.9	80.4	81.4	82.7	84.8	86.2	87.1	88.3	88.2	86.7	83.9	81.4	84.2
ID	Boise	37.1	44.3	51.8	60.8	70.8	79.8	90.8	87.3	77.6	64.6	49.0	39.3	62.6
IL	Chicago	29.2	33.9	44.3	58.8	70.0	78.4	83.3	82.1	75.5	64.1	48.2	35.0	56.1
IN	Peoria	29.7	35.2	46.5	51.9	72.5	82.1	85.5	83.4	76.7	64.8	48.5	35.4	60.2
IA	Indianapolis	34.2	38.5	49.3	63.1	73.4	82.3	85.2	83.7	77.9	66.1	50.8	39.2	62.0
KS	Des Moines	27.0	33.2	44.2	51.0	72.6	81.8	86.2	84.0	75.7	65.0	47.6	33.7	59.3
KY	Wichita	39.8	46.1	55.8	68.1	77.1	87.4	92.9	91.5	82.0	71.2	55.1	44.6	67.6
LA	Louisville	40.8	45.0	54.9	67.5	76.2	84.0	87.6	86.7	80.6	69.2	55.5	45.4	66.1
LA	New Orleans	61.8	64.6	71.2	76.8	84.5	89.5	90.7	90.2	86.8	79.4	70.1	64.4	77.7
ME	Portland	31.0	33.1	40.5	52.5	63.4	72.8	78.9	77.5	69.6	59.0	47.1	34.9	55.0
MD	Baltimore	41.0	43.7	53.1	65.1	74.2	82.9	87.1	85.5	79.1	67.7	55.9	45.1	65.0
MA	Boston	36.4	37.7	45.0	56.6	67.0	76.6	81.6	79.8	72.3	62.5	51.6	40.3	59.0
MI	Detroit	30.6	33.5	43.4	57.7	69.4	79.0	83.1	81.5	74.4	62.5	47.6	35.4	58.2
MI	Sault Ste. Marie	21.2	23.1	32.3	47.1	61.0	70.1	75.1	73.4	64.2	53.6	39.0	26.6	48.9
MN	Duluth	15.5	21.7	31.9	47.6	61.3	70.5	76.4	73.6	63.6	53.0	35.2	21.8	47.7
MN	Mirneapolis-St. Paul	18.9	26.4	37.5	56.0	69.4	78.5	83.4	80.9	71.0	59.7	41.1	26.7	54.2
MS	Jackson	56.5	60.9	68.4	77.3	84.1	90.5	92.5	92.1	87.6	78.6	67.5	60.0	76.3
MO	Kansas City	34.5	41.1	51.3	65.1	74.6	83.3	88.5	86.8	79.6	67.9	52.1	40.1	63.7
MO	St. Louis	37.6	43.1	53.4	67.1	76.4	85.2	89.0	87.4	80.7	69.1	54.0	42.6	65.5
MT	Great Falls	28.2	36.5	41.7	54.0	65.3	74.3	84.2	82.0	70.5	59.5	43.5	34.7	56.2
NE	Omaha	30.2	37.3	47.7	64.0	74.7	84.2	88.5	86.2	77.5	67.0	50.3	36.9	62.0
NV	Reno	44.8	51.1	55.8	63.3	72.3	81.8	81.3	88.7	81.4	70.0	55.6	46.2	66.9
NH	Concord	30.8	33.2	41.9	56.5	68.9	77.7	82.6	80.1	71.9	61.0	47.2	34.4	57.2
NJ	Atlantic City	40.6	42.4	50.3	61.6	71.0	79.8	84.0	82.5	76.7	66.1	55.4	45.0	62.9
NM	Albuquerque	47.2	52.9	60.7	70.6	79.9	90.6	92.8	89.4	83.0	71.7	57.2	48.0	70.3
NY	Albany	30.2	32.7	42.5	57.6	69.5	78.3	83.2	80.7	72.8	61.5	47.8	34.6	57.6
NY	Buffalo	30.0	31.4	40.4	54.4	65.9	75.6	80.2	78.2	71.4	60.2	47.0	35.0	55.8
NC	New York ¹	38.0	40.1	48.6	61.1	71.5	80.1	85.3	83.7	76.4	65.6	53.6	42.1	62.2
NC	Charlotte	50.3	53.6	61.6	72.1	79.1	85.2	88.3	87.6	81.7	71.7	61.7	52.6	70.5
NC	Raleigh	50.1	52.8	61.0	72.3	79.0	85.2	88.2	87.1	81.6	71.6	61.8	52.7	70.3
ND	Bismarck	17.5	25.2	36.4	54.2	67.7	76.8	84.4	83.3	71.4	59.3	39.4	25.9	53.5
OH	Cincinnati	37.3	41.2	51.5	64.5	74.2	82.3	85.8	84.8	78.7	67.7	52.6	41.9	63.5
OH	Cleveland	32.5	34.8	44.8	57.9	68.5	78.0	81.7	80.3	74.2	62.7	49.3	37.5	58.5
OH	Columbus	34.7	38.1	49.3	62.3	72.6	81.3	84.4	83.0	76.9	65.0	50.7	39.4	61.5
OK	Oklahoma City	46.6	52.2	61.0	71.7	79.0	87.6	93.5	92.8	84.7	74.3	58.9	50.7	71.2
OR	Portland	44.3	50.4	54.5	60.2	66.9	72.7	79.5	78.6	74.2	63.9	52.3	46.4	62.0
PA	Philadelphia	38.6	41.1	50.5	63.2	73.0	81.7	86.1	84.6	77.8	66.5	54.5	43.0	63.4
RI	Pittsburgh	34.1	36.8	47.6	60.7	70.8	79.1	82.7	81.1	74.8	62.9	49.8	38.4	59.9
SC	Providence	36.4	37.7	45.5	57.6	67.6	76.6	81.7	80.3	73.1	63.2	51.9	40.5	59.3
SD	Columbia	56.2	59.5	67.1	77.0	83.8	89.2	91.9	91.0	85.5	76.5	67.1	59.8	75.3
SD	Sioux Falls	22.9	29.3	40.1	58.1	70.5	80.3	86.2	83.9	73.5	62.1	43.7	28.3	56.7
TN	Memphis	46.3	53.0	61.4	72.9	81.0	88.4	91.5	90.3	84.3	74.5	61.4	52.3	71.6
TN	Nashville	46.3	50.7	59.6	71.2	79.2	86.7	89.8	89.0	83.2	72.3	59.2	50.4	69.8
TX	Dallas-Fort Worth	54.0	59.1	67.2	76.8	84.4	93.2	97.8	97.3	89.7	79.5	66.2	58.1	76.9
TX	El Paso	57.9	62.7	69.6	78.7	87.1	95.9	95.3	90.3	87.5	78.5	65.7	58.2	77.5
TX	Houston	61.9	65.7	72.1	79.0	85.1	90.9	93.6	93.1	88.7	81.9	71.6	65.2	79.1
UT	Salt Lake City	37.4	43.7	51.5	61.1	72.4	83.3	93.2	90.0	80.0	66.7	50.2	38.9	64.0
VT	Burlington	25.4	27.3	37.7	52.6	66.4	75.9	80.5	77.6	68.8	57.0	43.6	30.3	53.6
VA	Norfolk	48.1	49.9	57.5	68.2	75.7	83.2	86.9	85.7	80.2	69.8	60.8	51.9	68.2
WA	Richmond	46.7	49.6	58.5	70.6	77.9	84.8	88.4	87.1	81.0	70.5	60.5	50.2	68.8
WA	Seattle-Tacoma	43.9	48.8	51.1	56.8	64.0	69.2	75.2	73.9	68.7	59.5	50.3	45.6	58.9
WA	Spokane	31.3	39.0	46.2	56.7	66.1	74.0	84.0	81.7	72.4	58.3	41.4	34.2	57.1
WV	Charleston	41.8	45.4	55.4	67.3	76.0	82.5	85.2	84.2	78.7	67.7	55.6	45.9	65.5
WI	Milwaukee	26.0	30.1	39.2	53.5	64.8	75.0	79.8	78.4	71.2	59.9	44.7	32.0	54.6
WY	Cheyenne	37.3	40.7	43.6	54.0	64.6	75.4	83.1	80.8	72.1	61.0	46.5	40.4	58.3
PR	San Juan	82.7	83.2	84.2	85.2	86.7	88.0	87.9	88.2	88.2	87.9	85.7	83.6	86.0

¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1982.

Minimum Temperature

211

NO. 366. NORMAL DAILY MINIMUM TEMPERATURE—SELECTED CITIES

[In Fahrenheit degrees. Airport data except as noted. Based on standard 30-year period, 1951 through 1980]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual avg.
AL	Mobile	40.9	43.2	49.8	57.7	64.8	70.8	73.2	72.9	69.3	57.5	47.9	42.9	57.6
AK	Juneau	16.1	21.9	25.0	31.3	38.1	44.2	47.4	46.6	42.3	36.5	28.0	22.1	33.3
AZ	Phoenix	39.4	42.5	46.7	53.0	61.5	70.6	79.5	77.5	70.9	59.1	46.9	40.2	57.3
AR	Little Rock	29.9	33.6	41.2	50.9	59.2	67.5	71.4	69.6	63.0	50.4	40.0	33.2	50.8
CA	Los Angeles	47.3	48.6	49.7	52.2	55.7	59.1	62.6	64.0	62.5	58.5	52.1	47.8	55.0
	Sacramento	37.9	41.2	42.4	45.3	50.1	55.1	57.9	57.6	55.8	50.0	42.8	37.9	47.8
	San Diego	48.4	50.3	52.1	54.5	58.2	61.2	64.9	66.8	65.1	60.3	53.6	48.7	57.0
	San Francisco	41.5	44.1	44.9	46.6	49.3	52.0	53.3	54.2	54.3	51.2	46.3	42.2	48.3
CO	Denver	15.9	20.2	24.7	33.7	43.6	52.4	58.7	57.0	47.7	36.9	25.1	18.9	36.2
CT	Hartford	16.7	18.8	28.0	37.6	47.3	57.0	61.9	60.0	51.7	40.9	32.5	20.9	35.5
DE	Wilmington	23.2	24.6	32.6	41.8	51.7	61.2	68.3	65.4	58.0	45.9	36.4	27.3	44.5
DC	Washington	27.5	29.0	36.8	46.2	56.1	65.0	69.9	68.7	62.0	49.7	39.9	31.2	48.5
FL	Jacksonville	41.7	43.3	49.3	55.7	63.0	69.1	71.8	71.8	69.4	59.2	49.2	43.2	57.2
	Miami	59.2	59.7	64.1	68.2	71.9	74.6	76.2	76.5	75.7	71.6	65.8	60.8	68.7
GA	Atlanta	32.6	34.5	41.7	50.4	58.7	65.9	69.2	68.7	63.6	51.4	41.3	34.8	51.1
HI	Honolulu	66.3	65.3	67.3	68.7	70.2	71.9	73.1	73.6	72.9	72.2	69.2	66.5	68.7
ID	Boise	22.6	27.9	30.9	36.4	44.0	51.8	56.9	56.7	48.7	39.1	30.5	24.6	39.3
IL	Chicago	13.6	18.1	27.6	38.8	48.1	57.7	62.7	61.7	53.9	42.9	31.4	20.3	39.7
	Peoria	13.3	18.4	28.1	40.6	50.6	60.2	64.6	62.7	54.5	42.9	30.9	20.2	40.6
IN	Indianapolis	17.8	21.1	30.7	41.7	51.5	60.9	64.9	62.7	55.3	43.4	32.8	23.7	42.2
IA	Des Moines	10.1	15.8	26.0	39.9	51.6	61.4	66.3	63.7	54.4	43.3	29.5	17.6	40.0
KS	Wichita	19.4	24.1	32.4	44.5	54.6	64.7	68.9	67.9	59.2	46.9	33.5	24.2	45.1
KY	Louisville	24.1	26.8	35.2	45.6	54.6	63.9	67.5	66.1	59.1	46.2	36.6	26.9	46.2
LA	New Orleans	43.0	44.8	51.6	58.8	65.3	70.9	73.5	73.1	70.1	59.0	49.9	44.8	58.7
ME	Portland	11.9	12.9	23.7	33.0	42.1	51.4	57.3	55.8	47.7	37.9	29.6	16.7	35.0
MD	Baltimore	24.3	25.7	33.4	42.9	52.5	61.5	66.5	65.7	58.6	46.1	36.6	27.9	45.1
MA	Boston	22.8	23.7	31.8	40.8	50.0	59.3	65.1	63.9	56.6	47.1	38.7	27.1	43.9
MI	Detroit	16.1	18.0	26.5	36.9	46.7	56.3	60.7	59.4	52.2	41.2	31.4	21.6	38.9
	Sault Ste. Marie	5.4	5.3	15.4	29.0	38.3	46.7	51.9	52.4	45.3	36.9	26.4	12.7	30.5
MN	Duluth	-2.9	2.2	13.9	28.9	39.3	48.2	54.3	52.8	44.3	35.4	21.2	5.8	28.6
	Minneapolis-St. Paul	2.4	8.5	20.8	36.0	47.6	57.7	62.7	60.3	50.2	39.4	25.3	11.7	35.2
MS	Jackson	34.9	37.2	44.2	52.9	60.8	67.9	71.3	70.2	65.1	51.4	42.3	37.1	52.9
MO	Kansas City	17.2	23.0	31.7	44.4	54.6	63.8	68.5	66.5	58.1	47.0	34.0	23.7	44.4
MT	St. Louis	19.9	24.5	33.0	45.1	54.7	64.3	68.8	66.6	58.6	46.7	35.1	25.7	45.3
	Great Falls	9.2	16.8	21.1	31.3	41.1	49.4	54.4	53.0	44.2	36.2	24.5	16.6	33.2
NE	Omaha	10.2	17.1	26.9	40.3	51.8	61.7	66.8	64.2	54.0	42.0	28.6	17.4	40.1
NV	Reno	19.5	23.5	25.4	29.4	36.9	43.0	47.7	45.2	38.9	30.5	23.8	18.9	31.9
NH	Concord	9.0	11.0	22.2	31.6	41.4	51.6	56.4	54.5	46.2	35.5	27.3	14.5	33.4
NJ	Atlantic City	22.9	23.9	31.6	40.4	49.9	58.8	64.8	63.5	56.4	44.8	35.8	26.6	43.3
NM	Albuquerque	22.3	25.9	31.7	39.5	48.6	58.4	64.7	62.8	54.9	43.1	30.7	23.2	42.1
NY	Albany	11.9	14.0	24.6	35.5	45.4	55.0	59.6	57.6	49.6	39.4	30.8	18.2	36.8
	Buffalo	17.0	17.5	25.6	36.3	46.3	56.4	61.2	59.6	52.7	42.7	33.6	22.5	39.3
	New York ¹	25.6	26.6	34.1	43.8	53.3	62.7	68.2	67.1	60.1	49.9	40.8	30.3	46.9
NC	Charlotte	30.7	32.1	39.1	48.4	57.2	64.7	68.7	68.2	62.3	49.6	39.7	32.6	49.4
	Raleigh	29.1	30.3	37.7	46.5	55.3	62.6	67.1	66.8	60.4	47.7	38.1	31.2	47.7
ND	Bismarck	-4.2	3.7	15.6	30.8	42.0	51.8	56.4	54.2	43.2	32.8	17.7	4.8	29.1
OH	Cincinnati	20.4	23.0	32.0	42.4	51.7	60.5	64.9	63.3	56.3	43.9	34.1	25.7	43.2
	Cleveland	18.5	19.9	28.4	38.3	47.9	57.2	61.4	60.5	54.0	43.6	34.3	24.6	40.7
	Columbus	19.4	21.5	30.6	40.5	50.2	59.0	63.2	61.7	54.6	42.8	33.5	24.7	41.8
OK	Oklahoma City	25.2	29.4	37.1	48.6	57.7	66.3	70.6	69.4	61.9	50.2	37.6	29.1	48.6
OR	Portland	33.5	36.0	37.4	40.6	46.4	52.2	55.8	55.8	51.1	44.6	38.6	35.4	44.0
PA	Philadelphia	23.8	25.0	33.1	42.6	52.5	61.5	66.8	66.0	58.6	46.5	37.1	28.0	45.1
	Pittsburgh	19.2	20.7	29.4	39.4	48.5	57.1	61.3	60.1	53.3	42.1	33.3	24.3	40.7
RI	Providence	20.0	20.9	29.2	38.3	47.6	57.0	61.3	61.9	52.8	43.1	34.8	24.1	41.2
SC	Columbia	33.2	34.6	41.9	50.5	59.1	66.1	70.1	69.4	63.9	50.3	40.6	34.7	51.2
SD	Sioux Falls	1.9	8.9	20.6	34.6	45.7	56.3	61.8	59.7	48.5	36.7	22.3	10.1	33.9
TN	Memphis	30.9	34.1	41.8	52.2	60.9	68.9	72.6	70.8	64.1	51.3	41.1	34.3	51.9
	Nashville	27.8	30.1	38.3	48.1	56.9	64.8	69.0	67.8	61.3	48.0	38.0	31.3	48.5
TX	Dallas-Fort Worth	33.9	37.8	44.9	55.0	62.9	70.8	74.7	73.7	67.5	56.3	44.9	37.4	55.0
	El Paso	34.0	34.1	40.5	48.5	56.6	65.7	69.6	67.5	60.6	48.7	37.0	30.6	48.2
	Houston	40.8	43.2	49.8	58.3	64.7	70.2	72.5	72.1	68.1	57.5	48.6	42.7	57.4
UT	Salt Lake City	19.7	24.4	29.9	37.2	45.2	53.3	61.8	59.7	50.0	39.3	29.2	21.6	39.3
VT	Burlington	7.7	8.8	20.8	32.7	44.0	54.0	58.6	56.6	48.7	38.7	29.6	14.9	34.6
VA	Norfolk	31.7	32.3	39.4	48.1	57.2	65.3	69.9	69.6	64.2	52.8	43.0	35.0	50.7
WA	Seattle-Tacoma	34.3	36.8	37.2	40.5	46.0	51.1	54.3	54.3	51.2	45.3	39.3	36.3	43.9
	Spokane	20.0	25.7	29.0	34.9	42.5	49.3	55.3	54.3	46.5	36.7	28.5	23.7	37.2
WV	Charleston	23.9	25.8	34.1	43.3	51.8	59.4	63.8	63.1	56.4	44.0	35.0	27.8	44.0
WI	Milwaukee	11.3	15.8	24.9	35.6	44.7	54.7	61.1	60.2	52.5	41.9	29.9	18.2	37.6
WY	Cheyenne	14.8	17.9	20.6	29.6	39.7	48.5	54.6	52.8	43.7	34.0	23.1	18.2	33.1
PR	San Juan	70.3	70.0	70.8	72.3	73.9	75.3	76.1	76.1	75.5	74.9	73.4	71.8	73.4

¹ City office data.

Geography and Environment

No. 367. HIGHEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1987, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
AL	Mobile	46	84	82	90	94	100	102	104	102	99	93	87	81	104	
AK	Juneau ¹	43	57	55	59	71	82	86	90	83	72	61	56	54	90	
AZ	Phoenix	50	88	92	98	104	113	117	118	116	118	107	93	88	118	
AR	Little Rock	46	83	84	91	95	98	104	112	108	106	97	86	80	112	
CA	Los Angeles	52	88	92	93	95	97	104	97	98	110	106	101	94	110	
	Sacramento	37	70	76	86	93	105	115	114	108	108	101	97	87	115	
	San Diego	47	88	88	93	92	96	101	95	98	111	107	97	88	111	
	San Francisco	60	72	78	85	92	97	106	104	98	103	99	85	75	106	
CO	Denver	53	73	76	84	85	96	104	104	101	97	88	79	75	104	
CT	Hartford	33	65	73	87	96	97	100	102	101	99	91	81	74	102	
DE	Wilmington	40	75	78	86	94	95	99	92	102	101	100	91	85	74	102
DC	Washington	46	79	82	89	95	97	101	103	101	101	94	86	75	103	
FL	Jacksonville	46	85	88	91	95	100	103	105	102	100	96	88	84	105	
	Miami	45	88	89	92	96	94	98	98	98	97	95	89	87	98	
GA	Atlanta	39	79	79	85	93	95	101	105	102	98	95	84	77	105	
HI	Honolulu	16	87	88	88	89	92	92	92	93	94	94	93	89	94	
ID	Boise	48	63	70	81	92	98	109	111	110	102	91	73	65	111	
IL	Chicago	29	61	71	88	91	93	99	102	99	99	91	78	71	102	
	Peoria	48	68	72	86	92	93	100	103	102	100	90	81	71	103	
IN	Indianapolis	48	71	74	85	89	93	102	104	100	100	90	81	74	104	
IA	Des Moines	48	62	73	91	93	98	101	105	108	101	95	76	69	108	
KS	Wichita	35	75	84	89	96	100	110	113	110	105	95	85	83	113	
KY	Louisville	40	77	77	86	91	95	102	105	101	104	92	84	76	105	
LA	New Orleans	41	83	85	89	92	96	100	101	102	101	92	87	84	102	
ME	Portland	47	64	64	86	85	94	97	99	103	95	88	74	69	103	
MD	Baltimore	37	75	79	87	94	98	100	102	105	100	92	83	77	105	
MA	Boston	36	63	70	81	94	95	100	102	102	100	90	78	73	102	
MI	Detroit	29	62	65	81	89	92	99	102	97	98	91	77	68	102	
	Sault Ste. Marie	47	45	47	75	83	89	93	97	98	95	80	66	60	98	
MN	Duluth	46	52	55	78	88	90	93	97	97	95	86	70	55	97	
	Minneapolis-St. Paul	49	58	60	83	95	96	102	104	102	98	89	75	63	104	
MS	Jackson	24	82	84	89	94	99	103	106	102	104	95	88	84	106	
MO	Kansas City	15	68	76	86	93	92	105	107	109	98	92	82	70	109	
MT	St. Louis	30	76	85	89	92	92	98	107	107	104	94	82	76	107	
	Great Falls	50	62	68	78	83	93	99	105	106	98	91	76	69	106	
NE	Omaha	51	69	78	89	93	99	105	114	110	104	96	80	72	114	
NV	Reno	46	70	75	83	89	96	101	104	105	101	91	77	70	105	
NH	Concord	46	68	66	85	95	97	98	102	101	98	90	80	68	102	
NJ	Atlantic City	44	78	75	87	94	99	106	104	102	99	90	84	75	106	
NM	Albuquerque	48	69	76	85	89	98	105	105	101	100	91	77	72	105	
NY	Albany	41	62	67	86	92	94	99	100	99	100	89	82	71	100	
	Buffalo	44	72	65	81	88	90	95	94	99	98	87	80	74	99	
NC	New York ²	119	72	75	86	96	99	101	106	104	102	94	84	72	106	
	Charlotte	48	78	81	90	93	100	103	103	103	104	98	85	77	104	
	Raleigh	43	79	84	92	95	97	104	105	101	104	98	88	79	105	
ND	Bismarck	48	62	68	81	93	98	100	109	109	105	95	75	65	109	
OH	Cincinnati	26	69	73	84	89	93	97	101	102	98	88	81	75	102	
	Cleveland	46	73	69	83	88	92	101	103	102	101	90	82	77	103	
OK	Oklahoma City	34	80	84	93	100	104	105	109	110	102	96	87	86	110	
OR	Portland	47	63	70	80	87	100	100	107	107	101	92	73	64	107	
PA	Philadelphia	46	74	74	87	94	96	100	104	101	100	96	81	72	104	
	Pittsburgh	35	69	69	82	88	91	96	99	97	97	87	82	74	99	
RI	Providence	34	66	72	78	89	94	96	100	104	100	86	78	70	104	
SC	Columbia	40	84	84	91	94	101	107	107	107	101	91	90	83	107	
SD	Sioux Falls	42	66	70	87	94	100	101	108	108	104	94	76	61	108	
TN	Memphis	46	78	81	85	94	99	104	108	105	103	95	85	81	108	
	Nashville	48	78	84	86	90	97	106	107	104	105	94	84	79	107	
TX	Dallas-Fort Worth	34	88	88	96	95	103	113	110	108	106	102	89	88	113	
	El Paso	48	80	83	88	98	104	111	112	108	104	96	87	80	112	
	Houston	18	84	91	90	95	95	103	104	107	102	94	89	83	107	
UT	Salt Lake City	59	62	69	78	85	93	104	107	104	100	89	75	67	107	
VT	Burlington	44	63	62	84	91	93	96	99	101	94	85	75	65	101	
VA	Norfolk	39	78	81	88	97	97	101	103	104	99	95	86	80	104	
	Richmond	58	80	83	93	96	100	104	105	102	103	99	86	80	105	
WA	Seattle	43	64	70	75	85	93	96	98	98	94	89	74	63	98	
	Spokane	40	59	61	71	90	96	100	103	108	96	86	67	56	108	
WV	Charleston	40	79	78	87	92	93	98	102	100	102	92	85	80	102	
WI	Milwaukee	47	62	65	82	91	92	101	101	100	98	89	77	63	101	
WY	Cheyenne	52	66	71	74	82	90	100	100	96	93	83	73	69	100	
PR	San Juan	33	92	96	96	97	96	97	95	97	97	98	96	91	98	

¹ For period of record through 1986. ² City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

NO. 368. LOWEST TEMPERATURE OF RECORD—SELECTED CITIES

[In Fahrenheit degrees. Airport data unless otherwise noted. For period of record through 1987, except as noted]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	3	11	21	32	43	49	60	59	42	32	22	8	3
AK	Juneau ¹	43	-22	-22	-15	6	25	31	36	27	23	11	-5	-21	-22
AZ	Phoenix	50	17	22	25	32	40	50	61	60	47	34	25	22	17
AR	Little Rock	46	-4	-5	11	28	40	46	54	52	37	30	17	-1	-5
CA	Los Angeles	52	23	32	34	39	43	48	49	51	47	41	34	32	23
	Sacramento	37	23	26	26	32	36	41	48	49	43	36	26	20	20
	San Diego	47	29	36	38	41	48	51	55	57	51	43	38	34	29
	San Francisco	60	24	25	30	31	36	41	43	42	38	34	25	20	20
CO	Denver	53	-25	-30	-11	-2	22	30	43	41	17	3	-8	-21	-30
CT	Hartford	33	-26	-21	-6	9	28	37	44	36	30	17	9	-14	-26
DE	Wilmington	40	-14	-6	2	18	30	41	50	43	36	24	14	-7	-14
DC	Washington	46	-5	4	11	24	34	47	55	49	39	29	16	1	-5
FL	Jacksonville	46	7	19	23	34	45	47	61	63	48	36	21	11	7
	Miami	45	30	32	32	46	53	60	69	68	66	51	39	33	30
GA	Atlanta	39	-8	5	10	26	37	46	53	55	36	28	3	0	-8
HI	Honolulu	18	53	53	55	57	60	65	67	67	66	64	58	54	53
ID	Boise	48	-17	-12	6	19	22	31	35	37	23	11	-3	-23	-23
IL	Chicago	29	-27	-17	-8	7	24	36	40	41	28	17	1	-25	-27
	Peoria	48	-25	-18	-10	14	25	39	47	41	26	19	-2	-18	-25
IN	Indianapolis	48	-22	-21	-7	16	28	39	44	41	28	17	-2	-17	-22
IA	Des Moines	48	-24	-20	-22	9	30	38	47	40	26	14	-3	-19	-24
KS	Wichita	35	-12	-21	-2	15	31	43	51	48	31	21	-10	-21	-21
KY	Louisville	40	-20	-19	-1	22	31	42	50	46	33	23	-1	-9	-20
LA	New Orleans	41	14	19	25	32	41	50	60	60	42	35	24	14	14
ME	Portland	47	-26	-39	-21	8	23	33	40	33	23	15	5	-21	-39
MD	Baltimore	37	-7	-3	6	20	32	40	51	45	35	25	13	0	-7
MA	Boston	36	-12	-4	6	16	34	45	54	47	38	28	16	-7	-12
MI	Detroit	29	-21	-15	-4	10	25	36	41	38	29	17	9	-10	-21
	Sault Ste. Marie	47	-36	-35	-24	-2	18	26	36	29	25	16	-10	-25	-36
MN	Duluth	46	-39	-32	-28	-5	17	27	36	32	22	8	-23	-34	-39
	Minneapolis-St. Paul	49	-34	-28	-32	2	18	34	43	39	26	15	-17	-29	-34
MS	Jackson	24	2	11	15	27	38	47	51	55	35	30	17	7	2
MO	Kansas City	15	-17	-19	-10	12	30	43	52	43	33	21	1	-21	-21
MT	St. Louis	30	-18	-10	-5	22	31	43	51	47	36	23	1	-13	-18
	Great Falls	50	-37	-35	-29	-6	15	31	40	35	21	-9	-25	-43	-43
NE	Orama	51	-23	-21	-16	5	27	38	44	43	25	13	-9	-21	-23
NV	Reno	46	-16	-12	-2	13	18	25	33	24	20	8	1	-16	-16
NH	Concord	46	-33	-37	-16	8	21	30	35	29	21	10	-1	-22	-37
NJ	Atlantic City	44	-10	-11	5	12	25	37	46	40	32	23	11	-7	-11
NM	Albuquerque	48	-17	5	8	19	26	40	52	52	37	25	-7	-3	-17
NY	Albany	41	-28	-21	-21	10	26	36	40	34	24	16	5	-22	-28
	Buffalo	44	-16	-20	-7	12	26	35	43	38	32	20	9	-10	-20
NC	New York ²	119	-6	-15	3	12	32	44	52	50	39	28	5	-13	-15
	Charlotte	48	-5	5	4	24	32	45	53	53	39	24	11	2	-5
	Raleigh	43	-9	5	11	23	31	38	48	46	37	19	11	4	-9
ND	Bismarck	48	-44	-39	-31	-12	15	30	35	33	11	5	-30	-43	-44
OH	Cincinnati	26	-25	-11	-11	17	27	39	47	43	33	16	1	-12	-25
	Cleveland	46	-19	-15	-5	10	25	31	41	38	32	22	3	-11	-19
	Columbus	48	-19	-13	-6	14	25	35	43	39	31	20	5	-12	-19
OK	Oklahoma City	34	-4	-3	3	20	37	47	53	51	37	22	11	-3	-4
OR	Portland	47	-2	-3	19	29	29	39	43	44	34	26	13	6	3
PA	Philadelphia	46	-7	-4	7	19	28	44	51	44	35	25	15	1	-7
	Pittsburgh	35	-18	-12	-1	14	26	34	42	39	31	16	-1	-12	-18
RI	Providence	34	-13	-7	1	14	29	41	49	40	33	20	14	-10	-13
SC	Columbia	40	-1	5	4	26	34	44	54	53	40	23	12	4	-1
SD	Sioux Falls	42	-36	-31	-23	5	17	33	38	34	22	9	-17	-26	-36
TN	Memphis	46	-4	-11	12	29	38	48	52	48	36	25	9	-13	-13
	Nashville	48	-17	-13	2	23	34	42	51	47	36	26	-1	-7	-17
TX	Dallas-Fort Worth	34	4	7	15	30	41	51	59	56	43	29	5	4	4
	El Paso	48	-8	8	14	23	31	48	57	56	41	25	5	8	8
	Houston	18	12	20	22	31	44	52	62	48	33	19	11	11	11
UT	Salt Lake City	59	-22	-30	2	14	25	35	40	37	27	16	-14	-21	-30
VT	Burlington	44	-30	-30	-20	2	24	33	39	35	25	15	-2	-26	-30
VA	Norfolk	39	-3	8	18	28	36	45	54	49	45	27	20	7	-3
	Richmond	58	-12	-10	11	23	31	40	51	46	35	21	10	-1	-12
WA	Seattle	43	0	1	11	29	28	38	43	44	35	28	6	6	0
	Spokane	40	-22	-17	-3	17	24	33	37	35	24	11	-21	-25	-25
WV	Charleston	40	-15	-6	0	19	26	33	46	41	34	17	6	-10	-15
WI	Milwaukee	47	-26	-19	-10	12	21	33	40	44	28	18	-5	-20	-26
WY	Cheyenne	52	-29	-34	-21	-8	16	25	38	36	8	2	-14	-28	-34
PR	San Juan	33	61	62	60	64	66	69	69	70	69	67	66	63	60

¹ For period of record through 1986.² City office data.

Geography and Environment

NO. 369. NORMAL MONTHLY AND ANNUAL PRECIPITATION—SELECTED CITIES

[In Inches. Airport data except as noted. Based on standard 30-year period, 1951 through 1980. See *Historical Statistics, Colonial Times to 1970*, series J 164-267, for related data]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	4.59	4.91	6.48	5.35	5.46	5.07	7.74	6.75	6.56	2.62	3.87	5.44	64.64
AK	Juneau	3.69	3.74	3.34	2.92	3.41	2.98	4.13	5.02	6.40	7.71	5.15	4.66	53.15
AZ	Phoenix	.73	.59	.81	.27	.14	.17	.74	1.02	.64	.83	.54	.83	7.11
AR	Little Rock	9.91	3.83	4.69	5.41	5.29	3.67	3.63	3.07	4.26	2.84	4.37	4.23	49.20
CA	Los Angeles	3.08	2.49	1.76	.93	.14	.04	.01	.10	.15	.26	1.52	1.62	12.08
	Sacramento	4.03	2.88	2.08	1.31	.33	.11	.05	.07	.27	.86	2.23	2.90	17.10
	San Diego	2.11	1.43	1.60	.78	.24	.06	.01	.11	.19	.33	1.10	1.36	9.32
	San Francisco	4.85	3.23	2.64	1.53	.32	.11	.03	.05	.19	1.06	2.35	3.55	19.71
CO	Denver	.51	.69	.21	1.81	2.47	1.58	1.93	1.53	1.23	.98	.82	.55	15.31
CT	Hartford	3.53	3.19	4.15	4.02	3.37	3.38	3.09	4.00	3.94	3.51	4.05	4.16	44.39
DE	Wilmington	3.11	2.99	3.87	3.39	3.23	3.51	3.90	4.03	3.59	2.89	3.33	3.54	41.38
DC	Washington	2.76	2.62	3.48	2.93	3.48	3.35	3.88	4.40	3.22	2.90	2.82	3.18	39.00
FL	Jacksonville	3.07	3.48	3.72	3.32	4.91	5.37	6.54	7.15	7.26	3.41	1.94	2.59	52.78
	Miami	2.08	2.05	1.89	3.07	6.53	9.15	5.98	7.02	8.07	7.14	2.71	1.86	57.55
GA	Atlanta	4.91	4.43	5.91	4.43	4.02	3.41	4.73	3.41	3.17	2.53	3.43	4.23	48.61
HI	Honolulu	3.79	2.72	3.48	1.49	1.21	.49	.54	.60	.62	1.88	3.22	3.43	23.47
ID	Bose	1.64	1.07	1.03	1.19	1.21	.95	.26	.40	.58	.75	1.29	1.34	11.71
IL	Chicago	1.60	1.31	2.59	3.66	3.15	4.08	3.63	3.53	3.35	2.28	2.08	2.10	33.34
	Peoria	1.60	1.41	2.86	2.81	3.84	3.88	3.99	3.39	3.63	2.51	1.96	2.01	34.89
IN	Indianapolis	2.65	2.46	3.61	3.68	3.66	3.99	4.32	3.46	2.74	2.51	3.04	3.00	39.12
IA	Des Moines	1.01	1.12	2.20	3.21	3.96	4.18	3.22	4.11	3.09	2.16	1.52	1.05	30.83
KS	Wichita	.68	.85	2.01	2.30	3.91	4.06	3.62	2.80	3.45	2.47	1.47	.99	26.61
KY	Louisville	3.38	3.23	4.73	4.11	4.15	3.80	4.10	3.31	3.35	2.63	3.49	3.48	43.56
LA	New Orleans	4.97	5.23	4.73	4.50	5.07	4.63	6.73	6.02	5.87	2.66	4.06	5.27	59.74
ME	Portland	3.78	3.57	3.98	3.90	3.27	3.06	2.83	2.82	3.27	3.83	4.70	4.51	43.52
MD	Baltimore	3.00	2.98	3.72	3.35	3.44	3.76	3.89	4.62	3.46	3.11	3.11	3.40	41.84
MA	Boston	3.99	3.70	4.13	3.73	3.52	2.92	2.68	3.68	3.41	3.36	4.21	4.48	43.81
MI	Detroit	1.86	1.69	2.54	3.15	2.77	3.43	3.10	3.21	2.25	2.12	2.33	2.52	30.97
	Sault Ste. Marie	2.20	1.89	2.03	2.38	2.90	3.26	3.00	3.46	3.90	2.89	3.20	2.57	33.48
MN	Duluth	1.20	1.90	1.78	2.16	3.15	3.96	3.96	4.12	3.26	2.21	1.69	1.29	29.68
	Minneapolis-St. Paul	.82	.85	1.71	2.05	3.20	4.07	3.51	3.64	2.50	1.85	1.29	.87	26.36
MS	Jackson	5.00	4.48	5.86	5.85	4.83	2.94	4.40	3.71	3.55	2.62	4.18	5.40	52.82
MO	Kansas City	1.08	1.19	2.41	3.23	4.42	4.66	4.35	3.57	4.14	3.10	1.63	1.38	35.16
MT	Great Falls	1.00	.75	.93	1.49	2.52	2.75	1.10	1.31	1.03	.82	.74	.80	15.24
NE	Omaha	.77	.91	1.91	2.94	4.33	4.08	3.62	4.10	3.50	2.09	1.32	.77	30.34
NV	Reno	1.24	.95	.74	.46	.74	.34	.30	.27	.30	.34	.60	1.21	7.49
NH	Concord	2.78	2.47	2.93	3.01	2.93	2.91	2.93	3.26	3.12	3.10	3.66	3.43	36.53
NJ	Atlantic City	3.47	3.34	4.04	3.20	3.07	2.78	4.02	4.72	2.89	3.06	3.73	3.61	41.93
NM	Albuquerque	.41	.40	.52	.49	.46	.51	1.30	1.51	.85	.86	.58	.52	8.12
NY	Albany	2.39	2.26	3.01	2.94	3.31	3.29	3.00	3.34	2.23	2.93	3.04	3.00	35.74
	Buffalo	3.02	2.40	2.97	3.06	2.89	2.72	2.96	4.16	3.37	2.93	3.62	3.42	37.52
	New York ¹	3.21	3.13	4.22	3.75	3.76	3.23	3.77	4.03	3.66	3.41	4.14	3.81	44.12
NC	Charlotte	3.80	3.81	4.83	3.27	3.64	3.57	3.92	3.75	3.59	2.72	2.86	3.40	43.16
	Raleigh	3.55	3.43	3.69	2.91	3.67	3.66	4.38	4.44	3.29	2.73	2.87	3.14	41.76
ND	Bismarck	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
OH	Cincinnati	3.13	2.73	3.95	3.58	3.84	4.09	4.28	2.97	2.81	2.54	3.12	3.00	40.14
	Cleveland	2.47	2.20	2.99	3.32	3.30	3.49	3.37	3.38	2.92	2.45	2.76	2.75	35.40
	Columbus	2.75	2.18	2.33	3.41	3.76	4.01	4.01	3.70	2.76	1.91	2.64	2.61	36.97
OK	Oklahoma City	.96	1.28	2.07	2.91	5.50	3.87	3.04	2.40	3.41	2.71	1.53	1.20	30.89
OR	Portland	6.16	3.93	3.61	2.31	2.08	1.47	.46	1.13	1.61	3.05	5.17	6.41	37.39
PA	Philadelphia	3.18	2.81	3.86	3.47	3.18	3.92	3.88	4.10	3.42	2.83	3.32	3.45	41.42
RI	Pittsburgh	2.86	2.40	3.58	3.28	3.54	3.30	3.83	3.31	2.80	2.49	2.34	2.57	36.30
SC	Providence	4.06	3.72	4.29	3.95	3.48	2.79	3.01	4.04	3.54	3.75	4.22	4.47	45.32
SD	Columbia	4.38	3.98	5.16	3.59	3.85	4.45	5.35	5.56	4.23	2.55	2.51	3.50	49.12
UT	Sioux Falls	.50	.93	1.58	2.36	3.21	3.70	2.71	3.13	2.79	1.57	.92	.72	24.12
TN	Memphis	4.61	4.33	5.44	5.77	5.06	3.58	4.03	3.74	3.62	2.37	4.17	4.85	51.57
	Nashville	4.49	4.03	5.58	5.47	4.56	3.70	3.82	3.40	3.71	2.58	3.52	4.63	48.49
TX	Dallas-Fort Worth	1.65	1.93	2.42	3.63	4.27	2.59	2.00	1.76	3.31	2.47	1.76	1.67	29.46
	El Paso	.38	.45	.23	.19	.24	.56	1.60	1.21	1.42	.73	.23	.39	7.82
	Houston	3.21	3.25	2.88	4.24	4.69	4.06	3.33	3.66	4.93	3.67	3.38	3.68	44.76
	Salt Lake City	1.35	1.33	1.72	2.21	1.47	.97	.72	.92	.89	1.14	1.22	1.37	15.31
VT	Burlington	1.85	1.73	2.20	2.77	2.96	3.64	3.43	3.87	3.20	2.81	2.80	2.43	33.69
VA	Norfolk	3.72	3.28	3.86	2.87	3.75	3.45	5.15	5.33	4.35	3.41	2.88	3.17	45.22
	Richmond	3.23	3.13	3.57	2.90	3.55	3.60	5.14	5.01	3.52	3.74	3.29	3.39	44.07
WA	Seattle-Tacoma	6.04	4.22	3.59	2.40	1.58	1.38	.74	1.27	2.02	3.43	5.60	6.33	38.60
	Spokane	2.47	1.61	1.36	1.08	1.38	1.23	.50	.74	.71	1.08	2.06	2.49	16.71
WV	Charleston	3.48	3.11	4.00	3.52	3.66	3.32	5.36	4.15	3.01	2.63	2.90	3.27	42.43
WI	Milwaukee	1.64	1.33	2.58	3.37	2.66	3.59	3.54	3.09	2.88	2.25	1.98	2.03	30.94
WY	Cheyenne	.41	.40	.97	1.24	2.39	2.00	1.87	1.39	1.06	.68	.53	.37	13.31
PR	San Juan	3.01	2.02	2.31	3.62	5.64	4.66	4.87	5.93	5.99	5.89	5.59	4.46	53.99

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1982.

Days With Precipitation

215

NO. 370. AVERAGE NUMBER OF DAYS WITH PRECIPITATION OF .01 INCH OR MORE—SELECTED CITIES

[Airport data, except as noted. For period of record through 1987, except as noted. Annual data may not equal the sum of the monthly values due to rounding]

STATE	STATION	Length of record (yr.)													Annual
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
AL.	Mobile	46	11	10	11	7	8	11	16	14	10	6	8	10	123
AK.	Juneau ¹	43	18	17	18	17	17	16	17	18	20	24	19	21	220
AZ.	Phoenix	48	4	4	4	2	1	1	4	5	3	3	3	4	36
AR.	Little Rock	45	9	9	10	10	8	8	7	7	7	8	9	9	103
CA.	Los Angeles	52	6	6	6	3	1	1	1	(2)	1	2	4	5	36
	Sacramento	48	10	9	9	5	3	1	(2)	(2)	1	1	3	5	58
	San Diego	47	7	6	7	5	2	1	(2)	1	1	4	5	6	43
	San Francisco	60	11	10	10	6	3	1	(2)	(2)	1	4	7	10	62
CO.	Denver	53	6	6	9	9	11	9	9	9	6	5	5	5	89
CT.	Hartford	33	11	10	11	11	12	11	10	10	9	8	11	12	127
DE.	Wilmington	40	11	10	11	11	11	10	9	9	9	8	10	10	117
DC.	Washington	46	10	9	11	10	11	10	10	9	8	7	8	9	111
FL.	Jacksonville	46	8	8	8	6	8	12	15	14	13	9	6	8	116
	Miami	45	6	6	6	6	10	15	16	17	17	14	8	7	129
GA.	Atlanta	53	11	10	11	9	9	10	12	9	8	6	8	10	115
HI.	Honolulu	38	10	9	9	7	6	8	8	6	7	9	9	10	100
ID.	Boise	48	12	10	10	8	8	6	2	3	4	5	6	10	91
IL.	Chicago	29	11	10	12	12	11	10	10	9	9	10	9	10	127
	Peoria	48	9	8	11	12	11	10	9	8	8	8	9	10	114
IN.	Indianapolis	48	12	10	13	12	12	10	9	9	8	8	10	12	125
IA.	Des Moines	48	7	7	10	11	11	11	9	9	9	8	7	8	107
KS.	Wichita	34	6	5	8	8	11	9	7	8	8	6	5	6	86
LA.	Louisville	40	11	11	13	12	12	10	11	11	8	8	10	11	125
	New Orleans	39	10	9	9	7	8	11	15	13	10	6	7	10	114
ME.	Portland	47	11	10	11	12	13	11	10	9	8	9	12	12	128
MD.	Baltimore	37	10	9	11	11	11	9	9	10	7	7	9	9	113
MA.	Boston	36	12	10	12	11	12	11	11	10	9	9	11	12	126
MI.	Detroit	29	13	11	13	12	11	11	9	9	10	9	12	14	135
	Sault Ste. Marie	46	19	15	13	13	11	12	10	11	13	13	17	20	165
MN.	Duluth	46	12	10	11	10	12	13	11	11	12	10	11	12	134
	Minneapolis-St. Paul	49	9	7	10	10	11	12	10	10	10	10	8	9	115
MS.	Jackson	24	11	9	10	8	10	8	10	10	10	8	6	10	109
MO.	Kansas City	15	7	7	11	11	11	11	7	9	9	8	8	8	107
	St. Louis	30	8	8	11	11	11	10	8	8	8	8	10	9	111
MT.	Great Falls	50	9	8	9	9	12	12	7	8	7	6	7	8	101
NE.	Omaha	51	6	7	9	10	12	11	9	9	9	7	5	6	98
NV.	Reno	45	6	6	6	4	4	3	2	2	2	3	5	6	51
NH.	Concord	46	11	10	11	12	11	11	10	10	9	9	11	11	125
NJ.	Atlantic City	44	11	10	11	11	10	9	9	9	8	7	9	10	112
NM.	Albuquerque	48	4	4	5	3	4	4	9	9	6	5	3	4	61
NY.	Albany	41	12	10	12	12	13	11	10	10	10	9	12	12	134
	Buffalo	44	20	17	16	14	12	10	10	11	11	12	16	20	169
NC.	New York ²	118	11	10	11	11	11	10	10	10	8	8	9	10	121
	Charlotte	48	10	10	11	9	10	10	11	9	7	7	8	10	111
ND.	Raleigh	43	10	10	10	9	10	9	11	10	8	7	8	9	111
	Bismarck	46	8	7	8	8	10	12	9	9	7	6	6	8	97
OH.	Cincinnati	40	12	11	13	13	11	11	10	9	8	8	11	12	129
	Cleveland	46	16	14	15	14	13	11	10	10	10	11	14	16	156
	Columbus	48	13	12	14	13	13	11	11	9	8	9	11	13	137
OK.	Oklahoma City	48	5	6	7	8	10	9	6	6	7	6	5	5	82
OR.	Portland	47	18	16	17	14	12	9	4	5	8	13	18	19	152
PA.	Philadelphia	47	11	9	11	11	11	10	9	9	8	9	10	11	117
	Pittsburgh	35	16	14	16	14	12	12	11	10	9	11	13	17	154
RI.	Providence	34	11	10	12	11	11	11	9	9	10	8	8	12	124
SC.	Columbia	40	10	10	11	8	9	9	12	11	8	6	7	9	109
SD.	Sioux Falls	42	6	6	9	9	10	11	9	9	9	6	6	6	97
TN.	Memphis	37	10	9	11	10	9	8	9	8	7	6	9	10	106
	Nashville	46	11	11	12	11	11	9	10	9	8	7	10	11	119
TX.	Dallas-Fort Worth	34	7	7	7	8	9	6	5	5	7	6	6	6	78
	El Paso	48	4	3	2	2	2	4	8	8	5	4	3	4	48
	Houston	18	10	8	9	7	9	9	9	10	10	8	9	9	106
UT.	Salt Lake City	59	10	9	10	9	8	8	5	5	6	6	8	9	91
VT.	Burlington	44	14	12	13	12	14	13	12	12	12	12	14	15	154
VA.	Norfolk	39	10	10	11	10	10	9	11	10	8	8	8	9	114
	Richmond	50	10	9	11	9	11	9	11	10	8	7	8	9	113
WA.	Seattle	43	19	16	17	14	10	9	5	6	9	13	18	20	156
	Spokane	40	14	12	11	9	9	8	4	5	6	8	12	15	113
WV.	Charleston	40	16	14	15	14	13	11	13	11	9	10	12	14	151
WI.	Milwaukee	47	11	10	12	12	11	10	10	9	9	9	10	11	125
WY.	Cheyenne	52	6	6	9	10	12	11	11	10	7	6	6	5	99
PR.	San Juan	32	16	13	12	13	17	16	19	18	17	17	18	19	195

Z Less than $\frac{1}{2}$ day. ¹ For period of record through 1986. ² For period of record through 1984. City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Comparative Climatic Data*, annual.

Geography and Environment

No. 371. SNOW AND ICE PELLETS

[In inches. Airport data, except as noted. For period of record through 1987. T denotes trace]

STATE	STATION	Length of record (yr.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
AL	Mobile	46	.1	.1	19.0	16.3	T	-	-	-	-	T	1.1	11.1	.1
AK	Juneau	43	25.8	-	-	4.0	-	T	-	-	-	1.1	22.6	99.9	
AZ	Phoenix	50	T	-	T	T	-	-	-	-	-	-	-	-	
AR	Little Rock	45	2.3	1.5	.6	T	-	-	-	-	-	-	.2	.7	
CA	Los Angeles	52	T	T	-	-	-	-	-	-	-	-	T	5.3	
	Sacramento	39	T	.1	T	-	-	-	-	-	-	-	T	.1	
	San Diego	47	T	-	T	-	-	-	-	-	-	T	T	T	
	San Francisco	60	-	T	T	-	-	-	-	-	-	-	-	T	
CO	Denver	53	7.8	7.5	12.8	9.3	1.8	-	-	-	1.7	3.7	8.4	7.3	60.3
CT	Hartford	39	12.4	11.7	10.0	1.7	T	-	-	-	-	.1	2.1	10.8	48.8
DE	Wilmington	40	6.9	6.5	3.4	.2	T	-	-	-	-	.1	.9	3.3	21.3
DC	Washington	44	5.5	5.8	2.1	-	T	-	-	-	-	.9	3.1	17.4	
FL	Jacksonville	46	T	-	-	-	-	-	-	-	-	-	T	T	
	Miami	45	-	.5	.4	T	-	-	-	-	-	-	.2	1.9	
GA	Atlanta	53	.8	.5	.4	T	-	-	-	-	-	-	-	-	
HI	Honolulu	41	-	-	-	-	-	-	-	-	-	-	-	-	
ID	Boise	48	6.9	3.7	1.8	.7	.1	T	T	-	.1	2.3	5.8	21.4	
IL	Chicago	29	11.4	7.8	7.1	1.9	.1	-	-	-	T	.3	2.1	9.1	39.8
	Peoria	44	6.8	5.1	4.3	.9	-	-	-	-	-	-	2.1	6.0	25.2
IN	Indianapolis	56	6.3	5.9	3.5	.5	T	-	-	-	-	.9	4.8	22.9	
IA	Des Moines	48	8.4	7.1	6.8	2.1	-	-	-	-	T	.3	2.8	6.9	34.4
KS	Wichita	34	4.8	4.6	2.5	.3	-	-	-	-	-	-	1.3	3.5	17.0
KY	Louisville	40	5.7	4.6	3.5	.2	-	-	-	-	-	T	1.2	2.1	17.3
LA	New Orleans	41	-	.1	T	-	-	-	-	-	T	.1	-	-	
ME	Portland	47	19.7	17.3	12.9	2.9	.2	-	-	-	T	.2	3.2	15.1	71.5
MD	Baltimore	37	6.1	7.2	3.9	.2	T	-	-	-	-	-	1.1	3.5	21.9
MA	Boston	52	12.5	11.4	7.6	1.0	-	-	-	-	-	-	1.4	7.6	41.5
MI	Detroit	29	10.4	8.7	7.0	1.8	T	-	-	-	-	.1	3.3	10.7	42.0
	Sault Ste. Marie	46	28.3	19.1	14.9	5.3	.6	T	-	-	T	.1	2.2	14.8	29.6
MN	Duluth	44	16.8	11.5	13.7	6.4	.8	-	-	-	T	-	1.3	10.9	54.4
	Minneapolis-St. Paul	49	9.9	8.3	11.0	3.0	.1	-	-	-	-	-	6.9	9.5	49.1
MS	Jackson	24	6.2	2.2	.2	-	-	-	-	-	-	-	-	1.0	-
MO	Kansas City	53	5.9	4.3	3.7	.8	T	-	-	-	-	-	1.0	4.6	20.3
	St. Louis	51	5.6	4.4	4.2	.4	T	-	-	-	-	-	1.4	3.7	19.7
MT	Great Falls	50	9.8	8.4	10.1	7.2	1.6	.3	T	T	1.5	3.2	7.5	8.7	58.3
NE	Omaha	42	7.6	6.8	6.7	.9	.1	-	-	-	T	.3	2.5	5.6	30.5
NV	Reno	45	5.9	4.8	4.8	1.4	.9	-	-	-	.4	.2	2.3	4.3	24.8
NH	Concord	46	18.2	14.5	10.9	2.4	.1	-	-	-	-	.1	4.1	14.0	64.3
NJ	Atlantic City	43	5.5	5.6	2.7	.3	T	-	-	-	T	.3	2.2	16.3	
NM	Albuquerque	48	2.6	2.2	1.8	.6	-	-	-	-	T	.1	1.1	2.5	10.9
NY	Albany	41	16.6	14.0	11.3	3.0	.1	-	-	-	.2	2.2	4.6	15.7	65.5
	Buffalo	44	24.8	17.7	11.5	3.1	.1	T	-	-	T	.2	12.0	22.9	92.3
	New York ¹	119	7.6	8.7	5.0	.9	T	-	-	-	-	.9	5.5	28.6	
NC	Charlotte	48	2.0	1.8	1.4	-	-	-	-	-	-	-	.1	.5	5.8
	Raleigh	43	2.4	2.6	1.5	-	-	-	-	-	-	-	.2	.8	7.5
ND	Bismarck	48	7.1	6.7	8.4	3.9	.8	T	-	-	.3	1.3	5.9	6.6	41.0
OH	Cincinnati	40	7.3	5.5	4.4	.5	T	-	-	-	-	-	2.2	3.7	23.6
	Cleveland	46	12.6	11.5	10.2	2.3	.1	T	-	-	T	.7	5.1	11.6	54.1
	Columbus	40	8.6	6.3	4.5	1.0	T	-	-	-	T	.2	5.6	26.5	
OK	Oklahoma City	48	3.0	2.7	1.4	-	-	-	-	-	-	-	.5	1.7	9.3
OR	Portland	47	3.6	.8	.4	.1	-	-	-	-	T	-	.5	1.5	6.8
PA	Philadelphia	45	6.6	6.9	5.8	.3	T	-	-	-	-	.2	3.6	8.3	44.2
	Pittsburgh	35	12.1	9.8	8.3	1.8	.1	-	-	-	-	.1	.9	7.0	36.3
RI	Providence	34	9.9	9.9	7.6	.7	.2	-	-	-	-	-	.3	1.8	
SC	Columbia	40	4.8	.8	.3	-	-	-	-	-	-	-	.3	-	
SD	Sioux Falls	42	6.5	8.0	9.9	2.1	-	-	-	-	-	.5	5.1	7.6	39.7
TN	Memphis	37	2.5	1.5	.9	T	-	-	-	-	-	-	.1	.7	5.7
	Nashville	46	4.1	3.2	1.5	-	-	-	-	-	-	.5	1.6	10.9	
TX	Dallas-Ft. Worth	34	1.4	1.0	.2	-	-	-	-	-	-	.1	.3	3.0	
	El Paso	48	1.4	.8	.4	.4	-	-	-	-	-	-	1.0	1.8	
	Houston	53	.2	.2	-	-	-	-	-	-	-	-	T	T	
UT	Salt Lake City	59	13.1	9.4	10.0	5.2	.6	T	-	-	.1	1.3	6.4	12.1	58.2
VT	Burlington	44	19.3	16.4	12.2	3.7	.2	-	-	-	T	.2	6.9	19.0	
VA	Norfolk	39	2.9	2.6	1.1	-	-	-	-	-	-	-	.9	7.5	
	Richmond	50	5.3	4.2	2.7	.1	-	-	-	-	-	T	.4	1.9	14.6
WA	Seattle	43	5.6	1.5	1.4	.1	T	-	-	-	T	-	1.4	2.6	12.6
	Spokane	40	16.8	7.5	4.1	.6	.1	T	-	-	-	.5	6.2	15.4	51.2
WV	Charleston	40	10.8	9.1	4.7	.9	-	-	-	-	-	.1	2.3	4.8	32.7
WI	Milwaukee	47	13.1	9.3	8.9	1.8	-	-	-	-	-	.1	2.8	10.7	46.7
WY	Cheyenne	52	6.2	5.6	11.9	9.2	3.6	.3	-	-	.7	3.6	6.9	6.1	54.1
PR	San Juan	32	-	-	-	-	-	-	-	-	-	-	-	-	

- Represents zero.

¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, Comparative Climatic Data, annual.

Wind Speed, Minimum Temperature, Humidity

217

NO. 372. SUNSHINE, AVERAGE WIND SPEED, MEAN NUMBER OF DAYS MINIMUM TEMPERATURE BELOW 32 DEGREES FAHRENHEIT, AND AVERAGE RELATIVE HUMIDITY—SELECTED CITIES

[Airport data, except as noted. For period of record through 1987, except as noted. M=morning, A=afternoon]

STATE	STATION	AVERAGE PERCENTAGE OF POSSIBLE SUNSHINE		AVERAGE WIND SPEED (m.p.h.)			MINIMUM TEMPERA- TURE 32° OR LESS		AVERAGE RELATIVE HUMIDITY (percent)							
		Length of record (yr.)	Length of record (yr.)	Annual	Jan.	July	Length of record (yr.)	Mean num- ber (days)	Length of record (yr.)		Annual	Jan.	July			
									M	A	M	A	M	A		
AL	Mobile	1.37	1.59	39	9.0	10.4	7.0	25	23	25	86	57	80	60	89	60
AK	Juneau	2.33	* 30	42	8.3	8.3	7.5	43	143	21	84	73	79	76	83	70
AZ	Phoenix	9.2	8.5	42	6.3	5.3	7.1	27	8	27	52	23	67	32	45	20
AR	Little Rock	3.2	62	45	7.9	8.7	6.8	27	61	27	84	57	80	61	87	56
CA	Los Angeles	5.32	* 73	39	7.5	6.7	7.8	28	(Z)	28	79	64	70	60	86	67
	Sacramento	39	77	38	8.0	7.3	9.0	37	16	27	82	46	90	71	76	28
	San Diego	47	68	47	6.9	5.8	7.3	27	(Z)	27	76	62	70	56	82	65
	San Francisco	* 38	* 66	40	10.6	7.1	13.6	28	2	28	84	62	86	66	86	55
CO	Denver	38	70	39	8.8	8.7	8.3	27	158	27	67	40	63	49	68	34
CT	Hartford	33	57	33	8.5	9.0	7.5	28	136	28	77	52	71	56	78	50
DE	Wilmington	* 39	* 57	39	9.2	10.0	7.8	40	101	40	76	55	75	60	79	54
DC	Washington	39	56	39	9.3	10.0	8.2	27	71	27	74	53	68	54	76	53
FL	Jacksonville	36	62	38	8.0	8.3	7.1	46	15	51	88	56	87	57	88	58
	Miami	11	72	38	9.2	9.5	7.9	23	(Z)	23	84	61	84	59	85	63
GA	Atlanta	52	61	49	9.1	10.6	7.6	27	56	27	82	56	78	59	86	60
HI	Honolulu	35	68	38	11.5	9.7	13.4	18	—	18	72	56	81	62	88	52
ID	Boise	45	64	48	8.8	8.1	8.4	48	124	48	69	43	80	70	54	22
IL	Chicago	7	53	29	10.2	11.5	8.1	29	132	29	80	60	76	67	82	57
	Peoria	44	56	44	10.1	11.1	7.9	28	129	28	83	62	78	68	86	59
IN	Indianapolis	43	55	39	9.6	10.9	7.4	28	118	28	84	62	80	70	87	60
IA	Des Moines	37	59	38	10.9	11.7	9.0	26	134	26	79	60	75	67	81	57
KS	Wichita	34	65	34	12.3	12.2	11.2	34	112	34	80	56	78	63	78	48
KY	Louisville	40	56	40	8.3	9.7	6.7	27	90	27	81	59	76	64	85	58
LA	New Orleans	14	60	39	8.2	9.4	6.1	41	13	39	87	63	85	66	91	66
ME	Portland	47	57	47	8.7	9.2	7.6	47	158	47	79	59	76	61	80	59
MD	Baltimore	37	57	37	9.2	9.8	8.0	37	98	34	77	54	71	57	80	53
MA	Boston	52	58	30	12.4	13.9	10.9	23	99	23	72	58	67	57	73	56
MI	Detroit	22	53	29	10.3	11.7	8.4	29	137	29	81	60	79	69	83	53
	Sault Ste. Marie	46	47	46	9.3	9.8	7.9	46	181	46	85	67	81	75	89	62
MN	Duluth	37	52	38	11.2	11.7	9.6	26	184	26	80	63	75	69	84	59
	Minneapolis-St. Paul	49	57	49	10.6	10.5	9.4	28	155	28	79	60	73	66	81	54
MS	Jackson	23	60	24	7.4	8.6	5.9	24	51	24	91	58	86	65	93	59
MO	Kansas City	15	61	15	10.7	11.3	9.3	15	109	15	81	60	75	63	85	57
MT	Great Falls	43	61	46	12.8	15.2	10.2	26	157	26	66	45	66	66	65	29
NE	Omaha	51	60	51	10.5	10.9	8.9	23	139	23	81	59	77	65	83	56
NV	Reno	39	79	45	6.5	5.6	7.0	24	178	24	71	32	79	51	64	19
NH	Concord	46	54	45	6.7	7.1	5.7	22	174	22	81	54	74	58	84	51
NJ	Atlantic City	27	55	29	10.1	11.1	12.5	23	109	23	81	56	77	59	83	57
NM	Albuquerque	48	76	48	9.0	8.1	9.1	27	120	27	60	29	71	40	59	27
NY	Albany	49	52	49	8.9	9.8	7.5	22	150	22	80	58	78	63	81	55
	Buffalo	44	49	48	12.0	14.3	10.4	27	133	27	80	63	79	73	75	55
NC	New York ^a	101	58	58	9.4	10.7	7.6	74	80	61	72	56	68	60	75	55
	Charlotte	37	64	38	7.5	7.9	6.5	27	69	27	83	54	78	55	87	57
ND	Raleigh	33	59	38	7.8	8.6	6.6	23	80	23	85	54	78	55	89	58
	Bismarck	48	60	48	10.3	10.0	9.2	28	185	28	80	57	74	68	83	47
OH	Cincinnati	4	52	40	9.1	10.7	7.1	25	108	25	81	60	78	68	85	57
	Cleveland	44	49	46	10.7	12.4	8.7	27	124	27	79	62	77	70	81	57
	Columbus	36	49	38	8.6	10.2	6.8	28	118	28	80	59	78	67	84	56
OK	Oklahoma City	33	68	39	12.4	12.8	10.9	22	79	22	79	54	80	59	79	49
OR	Portland	38	48	39	7.9	10.0	7.6	47	43	47	86	60	86	75	82	45
PA	Philadelphia	45	56	47	9.5	10.3	8.0	28	98	28	76	55	72	59	79	54
	Pittsburgh	35	47	35	9.1	10.6	7.2	28	124	27	78	57	74	65	82	53
RI	Providence	34	58	34	10.6	11.3	9.5	24	119	24	74	54	70	56	77	56
SC	Columbia	34	65	39	6.8	7.2	6.3	21	63	21	87	51	82	54	89	54
SD	Sioux Falls	2 ^a 42	2 ^a 72	39	11.1	11.0	9.8	24	167	24	81	60	75	67	82	53
TN	Memphis	35	64	39	8.9	10.2	7.5	46	57	48	81	57	78	63	84	57
	Nashville	45	56	46	8.0	9.2	6.5	22	77	22	84	57	79	63	90	57
TX	Dallas-Fort Worth	9	64	34	10.8	11.1	9.6	24	41	24	82	56	79	60	80	48
	El Paso	45	83	45	8.8	9.4	8.4	27	64	27	56	27	65	35	61	29
	Houston	18	56	18	7.8	8.2	6.8	18	21	18	90	60	85	64	92	58
UT	Salt Lake City	49	66	58	8.8	7.6	9.6	28	125	28	67	43	78	69	52	22
VT	Burlington	44	49	44	8.9	9.5	7.9	23	157	22	77	59	71	63	79	53
VA	Norfolk	23	61	39	10.6	11.6	8.9	39	55	39	78	57	74	59	81	58
	Richmond	37	62	38	7.6	8.1	6.7	58	85	53	83	53	80	57	85	56
WA	Seattle	21	46	39	9.0	9.7	8.3	28	31	28	82	62	80	74	81	48
	Spokane	39	53	40	8.8	8.6	8.4	28	140	28	77	52	85	78	84	27
WV	Charleston	* 83	* 49	40	6.4	7.6	5.1	40	100	40	82	56	77	63	90	68
WI	Milwaukee	47	54	47	11.6	12.7	9.6	27	142	27	80	64	75	68	82	61
WY	Cheyenne	48	65	30	12.9	15.3	10.3	28	172	28	64	44	57	50	69	38
PR	San Juan	32	65	32	8.5	8.5	9.6	32	-	32	79	65	81	64	76	66

^a Represents zero. ^b Less than one-half a day. ^c Recording site is in Montgomery, AL. ^d For period of record through 1984. ^e For period of record through 1976. ^f For period of record through 1973. ^g For period of record through 1978. ^h City office data. ⁱ Recording site is in Rapid City, SD. ^j Recording site is in Parkersburg, WV.

Geography and Environment

No. 373. NORMAL MONTHLY AND SEASONAL HEATING DEGREE DAYS, 65° BASE—SELECTED CITIES

[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	469	342	191	43	—	—	—	—	50	218	382	1,695	
AK	Juneau	1,339	1,042	1,048	777	574	369	288	322	474	719	969	1,184	9,105
AZ	Phoenix	394	269	187	52	—	—	—	—	—	13	159	368	1,442
AR	Little Rock	778	585	417	124	18	—	—	—	8	132	414	678	3,152
CA	Los Angeles	286	233	240	180	106	54	17	12	18	55	139	255	1,595
	Sacramento	611	412	366	229	83	21	—	—	7	82	360	601	2,772
	San Diego	258	196	193	124	71	40	5	—	7	32	118	240	1,284
	San Francisco	512	375	378	306	226	139	103	89	80	148	315	490	3,161
CO	Denver	1,101	879	837	528	253	74	—	—	135	414	789	1,004	6,014
CT	Hartford	1,234	1,047	874	486	197	20	—	8	102	391	702	1,113	6,174
DE	Wilmington	1,048	890	719	378	130	6	—	—	36	282	582	915	4,986
DC	Washington	924	770	595	257	68	—	—	—	13	197	489	809	4,122
FL	Jacksonville	396	302	166	21	—	—	—	—	—	21	164	332	1,402
	Miami	76	62	14	—	—	—	—	—	—	—	5	42	199
GA	Atlanta	716	563	400	133	37	5	—	—	7	130	394	636	3,021
HI	Honolulu	—	—	—	—	—	—	—	—	—	—	—	—	—
ID	Boise	1,088	809	732	492	253	83	—	23	134	406	759	1,023	5,802
IL	Chicago	1,352	1,092	899	486	224	38	—	9	75	368	756	1,156	6,455
	Peoria	1,349	1,070	859	411	176	22	—	5	64	361	756	1,153	6,226
IN	Indianapolis	1,209	983	775	382	158	15	—	—	63	330	696	1,034	5,650
IA	Des Moines	1,438	1,134	927	435	156	17	—	—	80	357	792	1,218	6,554
KS	Wichita	1,097	837	656	275	89	7	—	—	37	219	621	949	4,787
KY	Louisville	1,008	815	624	264	98	5	—	—	32	250	567	862	4,525
LA	New Orleans	423	318	171	25	—	—	—	—	31	186	336	1,490	
ME	Portland	1,349	1,176	1,020	666	378	107	22	54	201	515	798	1,215	7,501
MD	Baltimore	1,001	848	673	334	115	—	—	—	29	261	581	884	4,706
MA	Boston	1,087	960	825	489	218	25	—	6	80	329	594	970	5,593
MI	Detroit	1,290	1,098	930	528	247	36	5	12	106	414	765	1,132	6,563
	Sault Ste. Marie	1,603	1,420	1,274	807	480	210	101	123	306	611	966	1,404	9,305
MN	Duluth	1,820	1,494	1,305	801	456	179	71	115	324	645	1,104	1,587	9,901
	Minneapolis-St. Paul	1,668	1,320	1,110	570	298	41	12	16	160	489	954	1,420	8,007
MS	Jackson	611	462	303	77	9	—	—	—	—	98	316	513	2,389
MO	Kansas City	1,212	921	729	314	112	12	—	—	42	258	657	1,026	5,283
	St. Louis	1,122	874	676	279	110	12	—	—	40	258	612	955	4,938
MT	Great Falls	1,435	1,072	1,042	669	369	141	20	66	268	536	930	1,218	7,766
NE	Omaha	1,389	1,058	859	390	130	16	—	—	73	342	765	1,172	6,194
NV	Reno	1,017	773	756	558	333	124	16	59	171	456	759	1,008	6,030
NH	Concord	1,398	1,198	1,020	627	314	67	20	39	191	521	831	1,256	7,482
NJ	Atlantic City	1,029	890	744	420	165	26	—	—	27	298	582	905	5,086
NM	Albuquerque	936	717	583	302	81	—	—	—	12	242	630	911	4,414
NY	Albany	1,361	1,165	973	552	252	38	7	15	149	450	771	1,194	6,927
	Buffalo	1,287	1,134	992	588	294	53	9	25	130	423	741	1,122	6,798
NC	Charlotte	1,029	885	732	378	134	7	—	—	36	240	534	893	4,868
	Paleigh	760	619	459	155	50	—	—	—	10	166	429	694	3,342
ND	Bismarck	1,807	1,414	1,209	675	324	100	18	57	255	586	1,092	1,538	9,075
OH	Cincinnati	1,076	882	682	317	122	8	—	—	39	279	612	933	4,950
	Cleveland	1,225	1,053	880	507	244	33	8	11	99	371	696	1,051	6,178
OK	Columbus	1,175	986	708	476	178	19	—	5	78	355	687	1,020	5,686
OR	Oklahoma City	902	678	508	184	41	—	—	—	15	145	486	778	3,735
PA	Portland	809	610	592	438	263	118	35	51	111	332	585	747	4,891
	Philadelphia	1,048	893	719	363	127	—	—	—	33	273	576	915	4,947
RI	Pittsburgh	1,187	1,014	822	447	201	28	—	13	101	393	702	1,042	5,950
SC	Providence	1,141	1,000	856	513	239	31	—	6	94	366	648	1,014	5,908
SD	Columbia	637	508	346	87	22	—	—	—	123	339	567	629	3,629
TN	Sioux Falls	1,631	1,285	1,073	561	240	52	14	15	161	489	960	1,404	7,885
	Memphis	787	602	433	126	25	—	—	—	9	137	415	673	3,207
	Nashville	865	689	510	186	55	—	—	—	19	193	492	747	3,756
TX	Dallas-Fort Worth	651	469	313	85	—	—	—	—	—	56	300	533	2,407
	El Paso	645	465	318	93	—	—	—	—	—	—	408	638	2,664
	Houston	442	314	175	32	—	—	—	—	—	36	201	349	1,549
UT	Salt Lake City	1,128	865	753	474	220	53	—	—	97	377	759	1,076	5,802
VT	Burlington	1,500	1,313	1,110	669	326	64	23	50	202	530	852	1,314	7,953
VA	Norfolk	778	669	512	219	53	—	—	—	9	146	393	667	3,446
	Richmond	880	731	552	226	65	—	—	—	24	221	489	778	3,980
WA	Seattle-Tacoma	803	622	645	489	313	169	76	97	169	368	606	744	5,121
	Spokane	1,218	913	849	576	339	140	17	63	209	539	903	1,116	6,882
WV	Charleston	995	823	626	298	125	16	—	—	51	301	591	871	4,697
WI	Milwaukee	1,435	1,176	1,020	612	334	84	11	25	117	444	831	1,237	7,326
WY	Cheyenne	1,206	1,000	1,020	696	397	139	24	37	235	543	906	1,107	7,310
PR	San Juan	—	—	—	—	—	—	—	—	—	—	—	—	—

- Represents zero. ¹ City office data.

Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1982.

Cooling Degree Days

219

NO. 374. NORMAL MONTHLY AND SEASONAL COOLING DEGREE DAYS, 65° BASE—SELECTED CITIES

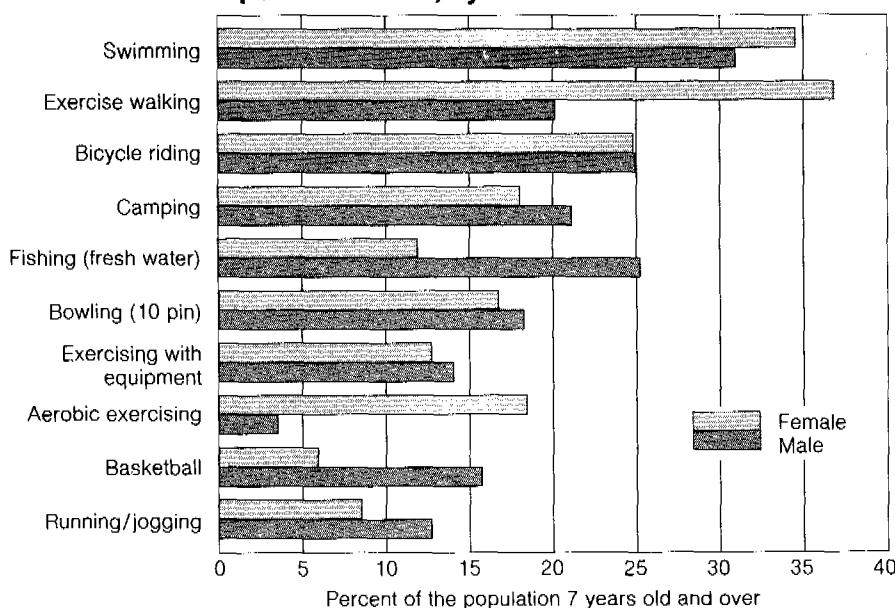
[Airport data, except as noted. Based on standard 30-year period, 1951 through 1980. For definition of "degree day," see text, section 6.]

STATE	STATION	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Seasonal
AL	Mobile	29	23	39	133	307	465	533	521	396	158	26	13	2,643
AK	Juneau	-	-	-	-	-	-	-	-	-	-	-	-	-
AZ	Phoenix	-	20	51	142	376	645	846	772	588	273	27	6	3,746
AR	Little Rock	-	-	20	46	188	405	530	496	287	73	-	-	2,045
CA	Los Angeles	7	12	-	15	25	72	141	176	153	95	25	7	728
	Sacramento	-	-	-	25	80	207	329	301	208	48	-	-	1,198
	San Diego	-	11	7	10	21	79	170	226	187	109	22	-	842
	San Francisco	-	-	-	-	-	13	16	27	47	12	-	-	115
CO	Denver	-	-	-	-	11	134	261	203	63	8	-	-	680
CT	Hartford	-	-	-	-	24	128	260	203	51	-	-	-	668
DE	Wilmington	-	-	-	-	43	192	341	304	123	12	-	-	1,015
DC	Washington	-	-	-	8	99	285	431	391	196	20	-	-	1,430
FL	Jacksonville	30	25	51	102	282	420	505	496	396	160	38	15	2,520
	Miami	141	140	222	309	419	480	539	552	504	400	239	150	4,095
GA	Atlanta	-	-	12	37	170	329	422	409	247	44	-	-	1,670
HI	Honolulu	236	221	291	321	388	423	468	496	468	450	348	279	4,389
ID	Boise	-	-	-	-	17	107	298	240	80	-	-	-	742
IL	Chicago	-	-	-	-	41	146	252	223	66	12	-	-	740
	Peoria	-	-	-	-	71	208	314	256	82	17	-	-	948
IN	Indianapolis	-	-	-	-	80	213	313	257	111	14	-	-	968
IA	Des Moines	-	-	-	-	66	215	354	279	83	22	-	-	1,019
KS	Wichita	-	-	8	14	117	340	508	456	205	36	-	-	1,684
KY	Louisville	-	-	7	12	110	266	391	353	179	24	-	-	1,342
LA	New Orleans	32	30	59	136	307	459	530	518	405	161	36	13	2,686
ME	Portland	-	-	-	-	-	23	118	104	9	-	-	-	254
MD	Baltimore	-	-	-	-	66	221	366	329	146	10	-	-	1,138
MA	Boston	-	-	-	-	17	115	266	220	68	13	-	-	699
MI	Detroit	-	-	-	-	33	117	219	183	55	8	-	-	615
MN	Sault Ste. Marie	-	-	-	-	6	12	55	58	-	-	-	-	131
	Duluth	-	-	-	-	-	11	80	59	-	-	-	-	150
MS	Minneapolis-St. Paul	-	-	-	-	36	134	263	190	28	11	-	-	662
MO	Jackson	13	17	34	60	241	426	524	502	342	98	13	-	2,290
	Kansas City	-	-	-	8	99	270	423	363	144	26	-	-	1,333
MT	St. Louis	-	-	-	12	128	306	431	372	181	38	-	-	1,468
	Great Falls	-	-	-	-	-	48	153	144	40	6	-	-	391
NE	Omaha	-	-	-	6	77	256	394	320	97	16	-	-	1,166
NV	Reno	-	-	-	-	11	46	156	117	27	-	-	-	357
NH	Concord	-	-	-	-	10	58	160	111	14	-	-	-	353
NJ	Atlantic City	-	-	-	-	26	152	291	248	75	-	-	-	792
NM	Albuquerque	-	-	-	-	59	285	428	344	132	6	-	-	1,254
NY	Albany	-	-	-	-	19	89	206	145	35	-	-	-	494
	Buffalo	-	-	-	-	18	83	186	146	43	-	-	-	476
NC	New York ¹	-	-	-	-	56	199	363	322	135	14	-	-	1,089
	Charlotte	-	-	7	14	149	304	419	400	220	33	-	-	1,546
ND	Haleakala	-	-	9	16	121	270	394	372	189	23	-	-	1,394
	Bismarck	-	-	-	10	79	186	174	24	-	-	-	-	473
OH	Cincinnati	-	-	-	8	101	230	344	310	144	22	-	-	1,159
	Cleveland	-	-	-	-	33	111	213	178	72	5	-	-	612
OK	Columbus	-	-	-	-	66	175	273	235	102	11	-	-	862
OR	Oklahoma City	-	-	13	40	147	360	530	499	264	61	-	-	1,914
PA	Portland	-	-	-	-	6	43	119	122	42	-	-	-	332
	Philadelphia	-	-	-	-	59	202	357	319	129	9	-	-	1,075
RI	Pittsburgh	-	-	-	-	37	121	222	186	74	5	-	-	645
SC	Providence	-	-	-	-	10	85	235	195	49	-	-	-	574
SD	Columbia	8	6	20	51	223	381	496	471	297	74	6	-	2,033
TN	Sioux Falls	-	-	-	-	29	154	293	226	41	6	-	-	749
	Memphis	-	-	20	54	211	411	530	484	285	72	-	-	2,067
	Nashville	-	-	14	24	151	328	446	415	238	45	-	-	1,661
TX	Dallas-Fort Worth	-	7	37	112	275	510	660	636	408	146	18	-	2,809
	El Paso	-	-	11	51	218	474	543	474	273	52	-	-	2,096
UT	Houston	20	20	51	143	307	468	561	546	402	181	54	8	2,761
VT	Salt Lake City	-	-	-	-	28	152	388	311	97	5	-	-	981
VA	Burlington	-	-	-	-	22	61	165	115	16	-	-	-	379
	Norfolk	-	-	-	-	15	96	282	415	394	225	31	-	1,458
WA	Richmond	-	-	-	13	99	258	397	366	180	23	-	-	1,336
	Seattle-Tacoma	-	-	-	-	-	25	70	70	19	-	-	-	184
	Spokane	-	-	-	-	8	41	162	159	41	-	-	-	411
WV	Charleston	-	-	-	7	91	196	295	270	129	19	-	-	1,007
WI	Milwaukee	-	-	-	-	18	81	182	158	24	7	-	-	470
WY	Cheyenne	-	-	-	-	-	49	145	93	22	-	-	-	309
PR	San Juan	357	325	388	414	474	501	527	533	507	508	438	394	5,366

- Represents zero.

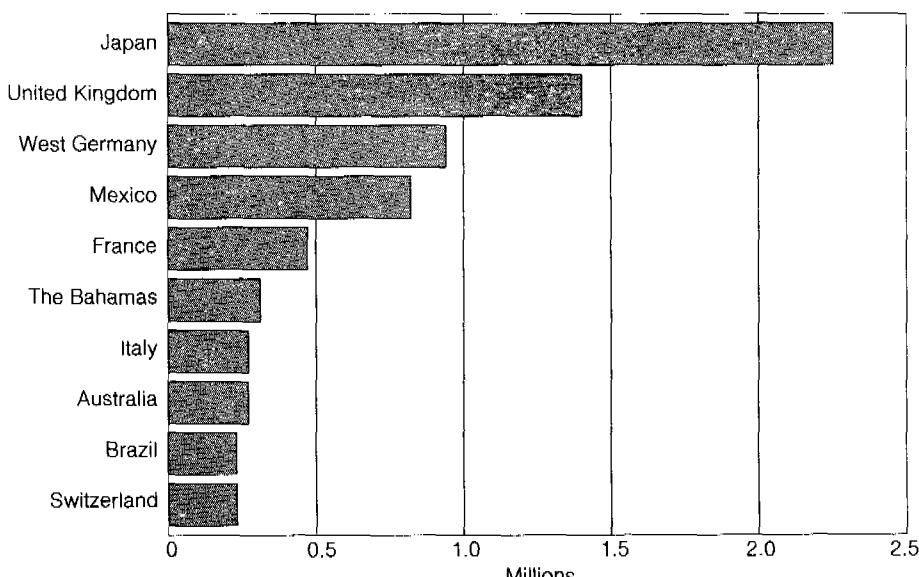
¹ City office data.Source: U.S. National Oceanic and Atmospheric Administration, *Climatology of the United States*, No. 81, Sept. 1982.

**Figure 7.1
Participation in 10 Most Popular Sports Activities, by Sex: 1988**



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 392.

**Figure 7.2
Foreign Visitors for Pleasure Admitted, by Country
of Last Residence—Top 10 Countries: 1988**



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 416.

Section 7

Parks, Recreation, and Travel

This section presents statistics on national parks and forests, State parks, recreational activities, the arts and humanities, and domestic and foreign travel.

Parks and recreation.—The Department of the Interior has responsibility for administering the national parks. As part of this function, it compiles data and issues various reports relating to the usage of public parks for recreation purposes. The National Park Service publishes information on visits to national park areas in its annual report, *National Park Statistical Abstract*. The *National Parks: Index* (*year*) is a biannual report which has appeared under a variety of *Index* titles prior to 1985. The 1985 and 1987 editions have appeared under the current title. The *Index* contains brief descriptions, with acreages, of each area administered by the Service, plus certain "related" areas. A brief statistical summary of Service-administered areas is also presented. The annual *Federal Recreation Fee Report* summarizes the prior year's recreation fee receipts and recreation visitation statistics for seven Federal land managing agencies.

Statistics for State parks are compiled by the National Association of State Park Directors which issues its annual *Information Exchange*. The Bureau of Land Management, in its *Public Land Statistics*, also issues data on recreational use of its lands. The Department of Agriculture's Forest Service, in its *Report of the Forest Service*, issues data on recreational uses of the national forests.

Statistics on recreation other than usage of public lands have not generally been compiled and published in a systematic way. In general, more data are available in the files of public and private bodies than have been published; and much of what is published is in forms not physically permanent nor likely to be preserved in libraries and other reference sources. The series presented here represent only the more readily available data.

Visitation.—Statistics presented on visitation to various reporting areas are collected by several different agencies and groups. The methodology used to collect these results, may vary accordingly from visual counts and estimates to the use of electromagnetic traffic counters. Many factors, besides the methodology, may affect the results such as multiple or random access points, irregular boundaries, and many other general factors that may affect usage. In using and comparing these data, one should also be aware of several different definitions that follow: Recreation visit, which is the entry of any person into an area for recreation purposes; nonrecreation visits, which include visits going to and from inholdings, through traffic, tradespeople and personnel with business in the area; and visitor hour, which constitutes the presence of a person in a recreation area or site for recreational purposes for periods of time aggregating 60 minutes.

Recreation and leisure activities.—Statistics on the participation in various recreation and leisure time activities presented here are based on several sample surveys. Data on participation in fishing, hunting, and other forms of wildlife-associated recreation are published every five years by the U.S. Department of Interior, Fish and Wildlife Service. The most recent data are from the 1985 survey. Data on participation in various sports recreation activities are published by the National Sporting Goods Association. Data on participation and attendance at various art performances by demographic characteristics are presented by the National Endowment for the Arts.

Travel.—Information on foreign travel and personal expenditures abroad, as well as expenditures by foreign citizens traveling in the United States, is compiled annually by the U.S. Bureau of Economic Analysis and published in selected issues of the monthly *Survey of Current Business*. Statistics on arrivals to and departures from the United States by air are reported by the Department of Transportation in cooperation with the U.S. Immigration and Naturalization Service in *International Air Travel Statistics*. Data on domestic travel, business receipts and employment of the travel industry, and travel expenditures are published by the U.S. Travel Data Center, the national nonprofit center for travel and tourism research which is located in Washington, DC. Other data on household transportation characteristics may be found in section 21.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Parks, Recreation, and Travel

NO. 375. VISITATION TO FEDERAL RECREATION AREAS, BY ADMINISTERING FEDERAL AGENCY:
1978 TO 1988

[In millions of visitor hours. For years ending September 30, except as indicated. Covers persons entering and using a recreation area over a specified period of time. For definition of visitor hour, see text, section 7]

ADMINISTERING FEDERAL AGENCY	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All areas.....	7,094	6,718	6,367	6,522	6,640	6,668	6,252	6,403	6,858	7,402	7,490
Fish and Wildlife Service.....	84	25	17	23	12	63	60	65	67	72	81
Forest Service.....	2,622	2,642	2,819	2,829	2,801	2,733	2,731	2,705	2,718	2,861	2,908
U.S. Army Corps of Engineers ¹	2,071	1,961	1,926	1,488	1,632	1,638	1,652	1,721	2,068	2,176	2,290
National Park Service.....	1,154	1,066	1,042	1,198	1,216	1,276	1,240	1,298	1,348	1,394	1,375
Bureau of Land Management ²	634	525	68	444	341	596	208	246	284	515	481
Bureau of Reclamation.....	431	411	407	461	558	285	282	289	296	306	294
Tennessee Valley Authority.....	97	88	87	80	80	78	79	78	77	78	81

¹ Beginning 1986, not comparable with previous years. ² Data not comparable for all years.

Source: 1978-1980, U.S. Heritage Conservation and Recreation Service, *Federal Recreation Fee Report*, annual; thereafter, U.S. National Park Service.

NO. 376. NATIONAL PARK SYSTEM—SUMMARY: 1981 TO 1988

[For fiscal years ending in year shown; see text, section 10, except as noted. Includes data for 5 areas in Puerto Rico and Virgin Islands, 1 area in American Samoa, and 1 area in Guam. See also *Historical Statistics, Colonial Times to 1970*, series H 806-828.]

ITEM	1981	1982	1983	1984	1985	1986	1987	1988
Finances (mill. dol.):¹								
Expenditures reported.....	715.3	709.7	779.6	843.6	848.1	818.3	909.3	941.2
Salaries and wages.....	297.0	310.6	343.8	354.6	369.4	372.2	401.5	395.6
Improvements, maintenance.....	82.3	98.3	102.4	136.4	127.4	119.6	144.1	159.2
Construction.....	123.2	73.0	87.5	93.3	84.7	125.9	102.6	122.7
Other.....	212.8	227.8	245.9	259.3	266.6	200.6	261.1	263.7
Funds available.....	945.9	1,024.4	1,191.7	1,215.8	1,249.2	1,271.5	1,276.0	1,338.1
Appropriations.....	546.8	715.2	828.9	785.9	621.6	769.3	646.2	874.7
Other ²	399.1	309.2	362.8	429.9	426.6	502.2	429.8	463.4
Revenue from operations.....	22.9	25.5	33.1	36.2	50.6	50.7	70.8	77.2
Recreation visits (millions):³								
All areas.....	238.6	244.1	243.6	248.6	263.4	281.1	287.2	282.5
National parks ⁴	50.4	49.6	50.0	49.7	50.0	53.5	56.6	56.4
National monuments.....	15.9	16.2	16.2	15.8	15.9	21.2	23.5	23.2
National historical, commemorative, archeological and military areas.....	58.4	62.3	57.3	63.6	61.9	65.5	68.6	61.2
National parkways.....	34.9	36.1	37.7	37.9	40.0	41.6	39.3	42.0
National recreation areas ⁴	47.7	49.7	48.9	45.7	49.4	54.8	56.5	54.5
National seashores and lakeshores.....	17.8	17.2	19.0	21.2	25.3	23.0	21.9	23.2
National Capital Parks.....	6.7	5.3	6.3	7.2	8.3	6.9	8.1	9.0
Miscellaneous other areas.....	6.8	7.7	8.2	7.5	12.6	14.5	12.7	12.9
Recreation overnight stays (millions) ³	16.4	16.4	15.7	16.0	15.8	16.0	17.1	17.0
In commercial lodgings.....	3.4	3.3	3.3	3.5	3.5	3.5	3.7	3.8
In Park Service campgrounds.....	8.9	8.8	7.8	7.7	7.3	7.2	8.0	7.9
In tents.....	4.2	4.2	3.6	3.7	3.6	3.5	4.0	3.9
In recreation vehicles.....	4.7	4.6	4.2	3.9	3.8	3.8	4.0	3.9
In backcountry.....	2.3	2.4	2.6	2.0	1.7	1.6	1.6	1.6
Other.....	1.8	1.9	2.0	2.8	3.2	3.6	3.8	3.7
Land (1,000 acres):⁵								
Total.....	73,665	74,800	74,846	74,913	75,749	75,863	75,970	76,176
Parks.....	44,470	45,414	45,427	45,454	45,739	45,791	45,875	45,955
Recreation areas.....	3,327	3,313	3,317	3,322	3,335	3,337	3,339	3,339
Other.....	25,868	26,073	26,102	26,137	26,675	26,735	26,756	26,882
Acquisition, gross.....	70	50	44	34	177	134	38	
By purchase.....	60	37	43	42	29	69	27	37
By gift.....	6	3	1	(z)	2	20	(z)	(z)
By transfer or exchange.....	4	(z)	6	2	3	88	107	1
Exclusion.....	(z)	(z)	2	2	(z)	4	(z)	(z)
Acquisition, net.....	70	40	48	42	34	173	134	38

² Less than 500 acres. ³ Financial data are those associated with the National Park System. Certain other functions of the National Park Service—principally the activities absorbed from the former Heritage Conservation and Recreation Service in 1981—are excluded. ⁴ Includes funds carried over from prior years. ⁵ For calendar year. ⁶ Combined data for North Cascades National Park and two adjacent National Recreation Areas are included in National Parks total. ⁷ Federal land only, as of Dec. 31. Federal land acreages, in addition to National Park Service administered lands, also include lands within national park system area boundaries but under the administration of other agencies. Year-to-year changes in the federal lands figures include changes in the acreages of these other lands and hence often differ from "net acquisition."

Source: U.S. National Park Service, Visits, *National Park Statistical Abstract*, annual, and unpublished data. Other data are unpublished.

NO. 377. NATIONAL PARK SYSTEM—TYPE OF AREA: 1988

[As of December 31. Totals include 5 areas in Puerto Rico and Virgin Islands, 1 area in American Samoa, and 1 area in Guam.
See also *Historical Statistics, Colonial Times to 1970*, series H 806-828]

TYPE OF AREA	Number of areas	Federal acreage ¹	Recreation visits (mil.)	TYPE OF AREA	Number of areas	Federal acreage ¹	Recreation visits (mil.)
National Park System	354	76,176,427	282.5	National seashores.....	10	476,224	19.3
National parks.....	50	45,955,102	56.4	Parkways.....	4	161,352	42.0
National historical parks.....	29	96,075	23.3	National lakehores.....	4	143,743	3.9
National monuments.....	79	4,637,117	23.2	National rivers.....	14	256,983	4.4
National military parks.....	9	33,133	4.4	National Capital Parks ²	1	6,469	9.0
National battlefields.....	11	9,539	1.7	Parks, other.....	10	32,118	7.4
National battlefield parks.....	3	8,047	1.8	National recreation areas.....	18	3,389,091	54.5
National battlefield site.....	1	1	(NA)	National trails.....	3	92,863	(NA)
National historic sites.....	68	16,520	11.7	National preserves.....	14	20,904,031	.1
National memorials.....	23	7,865	16.3	National Mall.....	1	146	(NA)
				White House.....	1	18	1.1
				Other.....	1	(NA)	(NA)

NA Not available. ¹ Includes 199,297 acres in which the Federal Government has a less-than-fee interest. ² 346 units in DC, MD, and VA. Not all report visits.

Source: U.S. National Park Service, *The National Parks: Index*, biennial; and *National Park Statistical Abstract*, annual.

NO. 378. SELECTED NATIONAL PARK SERVICE AREAS—ACREAGE, 1988, AND VISITS AND OVERNIGHT STAYS, 1986 TO 1988

[Calendar year data, except acreage as of December 31. Area selection based on minimum of 4 million visits or 200,000 overnight stays in 1988. For information on methodology and definition of "visits", see text, section 7.]

AREA	Feder- al acres, 1988 ¹ (1,000)	RECREATION VISITS (mil.)			RECREATION OVERNIGHT STAYS ² (1,000)		
		1986	1987	1988	1986	1987	1988
Total, all areas ³	76,176	281.1	287.2	282.5	15,997	17,123	17,011
Acadia National Park, ME.....	41	3.9	4.3	4.5	206	212	221
Big Bend National Park, TX.....	708	.2	.2	.2	221	225	212
Blue Ridge Parkway, NC, VA.....	79	17.1	18.6	20.0	249	249	246
Cape Cod National Seashore, MA.....	27	4.0	4.9	5.2	16	16	19
Death Valley National Monument, CA, NV.....	2,049	.6	.7	.7	328	314	346
Gateway National Recreation Area, NY, NJ.....	20	8.9	9.4	6.2	26	6	2
George Washington Memorial Parkway, VA, MD.....	7	9.1	9.6	9.5	—	—	—
Glacier National Park, MT.....	1,013	1.6	1.7	1.8	287	307	326
Glen Canyon National Recreation Area, AZ, UT.....	1,194	2.4	2.9	3.5	1,965	2,062	1,929
Golden Gate National Recreation Area, CA.....	28	21.6	21.8	21.8	112	112	117
Grand Canyon National Park, AZ.....	1,179	3.0	3.5	3.9	631	666	668
Grand Teton National Park, WY.....	307	1.3	1.5	1.2	421	453	428
Great Smoky Mountain National Park, NC, TN.....	520	9.8	10.2	8.8	460	495	494
Gulf Island National Seashore, MS, FL.....	99	7.6	4.8	5.2	171	174	186
Independence National Historical Park, PA.....	(Z)	5.0	7.3	5.4	—	—	—
Kings Canyon National Park, CA.....	462	1.0	1.1	1.0	267	284	287
Lake Mead National Recreation Area, AZ, NV.....	1,469	7.8	8.1	8.3	1,389	1,302	1,409
Mesa Verde National Park, CO.....	52	.7	.7	.8	181	217	229
Natchez Trace Parkway, MS, TN, AL.....	52	14.4	9.9	11.7	20	23	21
National Capital Parks, DC, MD.....	6	6.6	8.1	9.0	—	—	—
Olympic National Park, WA.....	911	2.9	2.8	3.0	366	372	424
Ozark National Scenic Riverways.....	61	1.4	1.3	1.5	205	198	233
Rocky Mountain National Park, CO.....	265	2.4	2.5	2.5	197	205	215
Sequoia National Park, CA.....	402	1.1	1.1	1.0	383	442	359
Sherando National Park, VA.....	195	1.8	1.8	1.9	362	354	358
Valley Forge National Historical Park, PA.....	3	4.2	4.3	4.2	—	—	2
Virgin Island National Park, VI.....	13	.8	.8	.8	218	203	222
Yellowstone National Park, ID, MT, WY.....	2,220	2.4	2.6	2.2	1,308	1,398	1,109
Yosemite National Park, CA.....	759	2.9	3.2	3.2	1,884	2,199	2,286
Zion National Park, UT.....	143	1.7	1.8	1.9	236	263	287

— Represents zero. ¹ Less than 500 acres. ² See footnote 1, table 377. ³ The passing of one night by a visitor within a park, and occurs each night a visitor remains in the park. ³ Includes areas not shown separately.

Source: U.S. National Park Service, *National Park Statistical Abstract*, annual, and unpublished data.

Parks, Recreation, and Travel

NO. 379. NATIONAL FOREST RECREATION USE—SUMMARY, 1980 TO 1988, AND BY ACTIVITY AND STATES AND OTHER AREAS, 1988

[For year ending September 30. Estimated. Represents recreational use of National Forest land and water in States which have a Forest Service recreation program. See also *Historical Statistics, Colonial Times to 1970*, series H 829-835]

YEAR AND ACTIVITY	Recreation visitor-days ¹ (1,000)	Percent	State	Recreation visitor-days, ¹ 1988 (1,000)	State or other area	Recreation visitor-days, ¹ 1988 (1,000)
1980.....	233,549	100.0	U.S.....	242,316	NV.....	2,657
1981.....	235,709	100.0			NH.....	2,783
1982.....	233,438	100.0	AL.....	741	NM.....	7,228
1983.....	227,708	100.0	AK.....	4,355	NY.....	26
1984.....	227,554	100.0	AZ.....	18,831	NC.....	4,973
1985.....	225,407	100.0	AR.....	2,359	ND.....	187
1986.....	226,533	100.0	CA.....	59,517	OH.....	411
1987.....	238,458	100.0	CO.....	21,484	OK.....	331
1988, total.....	242,316	100.0	FL.....	2,788	OR.....	19,598
Mechanized travel and viewing scenery.....	76,071	31.4	GA.....	2,707	PA.....	2,621
Camping, picnicking and swimming.....	70,186	28.9	ID.....	10,736	SC.....	917
Hiking, horseback riding and water travel.....	20,432	8.4	IL.....	682	SD.....	2,735
Hunting.....	18,416	6.8	IN.....	450	TN.....	2,562
Winter sports.....	15,785	6.5	KS.....	38	TX.....	1,884
Fishing.....	15,454	6.4	KY.....	2,301	UT.....	14,455
Resorts, cabins and organization camps.....	15,445	6.4	LA.....	502	VT.....	1,154
Nature studies.....	1,897	.8	MA.....	48	VA.....	3,804
Other ²	10,631	4.4	MI.....	4,320	WA.....	15,478
			MO.....	4,450	WV.....	1,152
			MT.....	1,240	WI.....	2,000
			NE.....	1,705	WY.....	6,515
				8,844	PR.....	400
				181		

¹ One recreation visitor-day is the recreation use of National Forest land or water that aggregates 12 visitor-hours. This may entail 1 person for 12 hours, 12 persons for 1 hour, or any equivalent combination of individual or group use, either continuous or intermittent. ² Includes team sports, gathering forest products, attending talks and programs, and other uses.

Source: U.S. Forest Service, unpublished data.

NO. 380. RECREATIONAL USE OF PUBLIC LANDS ADMINISTERED BY BUREAU OF LAND MANAGEMENT, 1982 TO 1988, AND BY STATE, 1988

[In thousands. For year ending Sept. 30. Beginning 1987, increase due to an estimated longer length of stay per visit, especially in California. See text, section 7]

YEAR AND STATE	Number of visits	TYPE OF RECREATION USE (visitor hours)									
		Total	Land-based recreation activities						Water-based recreation activities		
			Motorized travel		Site based				Fishing	Boating	Other
			Off-road vehicle travel	Other motorized travel	Non-motorized travel	Camping	Hunting	Other			
1982.....	58,135	316,959	19,471	32,646	11,237	63,928	108,996	44,587	19,287	10,101	1,043
1983.....	56,270	334,010	24,397	35,534	12,237	84,066	92,974	39,734	20,290	16,869	4,992
1984.....	59,228	271,373	21,348	25,493	9,579	73,032	73,898	37,650	14,263	11,184	2,092
1985.....	51,739	244,612	36,995	24,053	10,047	65,397	51,842	23,098	14,254	11,710	2,193
1986.....	54,253	284,142	49,688	25,986	14,397	95,196	35,570	19,331	18,227	15,891	3,951
1987.....	56,427	514,716	123,325	34,325	19,172	195,315	57,624	38,412	22,932	15,140	5,212
1988, total.....	57,460	492,766	122,014	35,748	19,761	178,703	55,285	38,340	21,617	13,294	4,979
AK.....	261	5,022	112	235	88	3,573	366	136	309	135	4
AZ.....	1,642	18,227	579	139	389	12,589	2,069	1,248	455	449	2
CA.....	29,870	320,663	106,969	18,393	10,603	124,806	24,143	26,199	4,699	1,550	2,792
CO.....	3,678	17,386	900	2,009	481	5,408	5,537	718	3,103	1,000	200
ID.....	2,124	15,447	860	925	748	3,529	4,224	1,019	1,628	1,183	416
MT ¹	2,376	12,214	1,884	1,641	468	3,326	1,968	295	1,885	582	311
NV.....	2,736	17,878	2,938	1,928	1,958	5,728	2,883	792	1,847	181	137
NM.....	2,620	13,575	2,383	718	622	2,975	2,631	1,885	1,488	800	1
OR ²	5,574	25,907	596	2,476	1,027	7,423	3,291	2,699	3,869	3,127	1,034
UT.....	3,737	26,326	2,743	5,117	3,270	6,252	2,593	1,738	467	3,887	84
WY.....	2,842	20,111	2,052	2,167	707	5,095	5,580	1,611	2,067	400	49

¹ Includes North Dakota and South Dakota. ² Includes Washington.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Parks and Recreation Areas—Recreation Expenditures

225

NO. 381. STATE PARKS AND RECREATION AREAS—STATES: 1988

[For year ending June 30. Data are shown as reported by State park directors. In some States, park agency has under its control forests, fish and wildlife areas and/or other areas. In other States, agency is responsible for State parks only]

DIVISION AND STATE	Acre-age (1,000)	VISITORS (1,000)		REVENUE		DIVISION AND STATE	Acre-age (1,000)	VISITORS (1,000)		REVENUE	
		Total ¹	Day	Total (\$1,000)	Percent of oper- ating budg- et			Total ¹	Day	Total (\$1,000)	Percent of oper- ating budg- et
U.S.	10,620	710,342	653,732	346,012	38.3	So. Atl.—Con.					
N. Eng.: ME	71	2,278	2,064	1,287	34.4	WV	206	9,129	9,129	10,958	73.5
NH	31	4,338	4,139	7,254	92.4	NC	127	8,023	7,632	1,335	20.4
VT	170	997	628	3,345	89.8	SC	79	8,000	6,967	9,259	62.7
MA	267	12,956	12,064	6,697	34.9	GA	62	13,717	10,363	9,847	49.0
RI	9	6,338	6,233	1,665	26.6	FL	341	14,344	13,105	10,932	43.1
CT	181	6,361	5,991	143	3.2	E. So. Cent.: KY	42	25,182	24,165	33,662	60.0
Mid. Atl.: NY	258	41,241	38,325	25,921	24.7	TN	123	24,774	23,720	16,476	49.9
NJ	298	10,297	9,845	4,725	23.2	AL	49	7,009	6,047	13,013	80.1
PA	276	38,426	36,879	6,275	15.8	MS	22	4,474	3,970	4,359	45.4
E. No. Cent.: OH	208	72,066	69,569	10,635	27.7	W. So. Cent.: AR	47	6,363	5,717	9,795	56.0
IN	57	10,317	8,629	8,410	77.1	LA	38	1,086	800	1,377	23.0
IL	372	34,835	34,372	2,200	8.8	OK	95	16,278	14,005	6,658	35.8
MI	257	25,450	20,007	16,590	80.9	TX	225	20,960	18,683	11,790	37.9
WI	120	11,807	10,368	6,983	64.2	Mt.	52	5,126	5,126	286	9.6
W. No. Cent.: MN	200	7,286	6,419	5,523	42.3	ID	47	2,077	1,874	1,048	37.9
IA	52	9,530	9,080	2,384	40.9	WY	119	1,823	1,381	107	3.6
MO	109	13,662	12,684	2,401	15.0	CO	287	7,670	7,243	9,518	112.2
ND	17	966	841	684	32.1	NM	119	5,324	3,213	3,898	60.4
SD	92	5,630	5,263	2,919	57.8	AZ	36	1,949	1,633	1,524	25.8
NE	149	8,724	7,464	4,291	59.5	UT	116	5,225	3,705	2,623	26.2
KS	35	4,577	3,337	2,210	47.7	NV	144	2,923	2,717	766	22.7
So. Atl.: DE	12	2,501	2,216	3,334	74.4	Pac.: WA	234	41,348	39,276	5,621	24.6
MD	283	8,036	7,509	6,336	33.5	OR	80	37,984	36,009	5,650	32.0
VA	54	3,899	3,448	1,843	26.5	CA	1,277	72,486	66,060	39,880	28.6
					AK	3,237	5,645	5,240	384	1.3	
					HI	25	18,690	18,598	1,093	22.3	

¹ Includes overnight visitors.

Source: National Association of State Park Directors, Austin, TX, 1989 Annual Information Exchange.

NO. 382. PERSONAL CONSUMPTION EXPENDITURES FOR RECREATION: 1970 TO 1988

[In billions of dollars, except percent. Represents market value of purchases of goods and services by individuals and nonprofit institutions]

TYPE OF PRODUCT OR SERVICE	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total recreation expenditures	42.7	115.0	128.6	138.3	152.1	168.3	185.7	201.2	224.5	246.8
Percent of total personal consumption ¹	6.7	6.6	6.7	6.7	6.8	6.9	7.1	7.2	7.5	7.6
Books and maps	2.9	5.6	6.2	6.6	7.2	7.8	8.1	8.6	9.4	9.8
Magazines, newspapers, and sheet music	4.1	10.4	11.0	11.4	12.0	12.7	13.2	13.9	15.2	16.0
Nondurable toys and sport supplies	5.5	14.6	16.0	16.8	18.0	19.7	21.1	23.1	26.2	28.1
Wheel goods, durable toys, sports equipment ²	5.2	17.2	18.7	19.3	20.4	24.8	26.7	29.7	33.7	36.5
Radio and television receivers, records, and musical instruments	8.5	19.9	22.0	24.5	28.2	31.5	37.0	38.8	42.5	48.8
Radio and television repair	1.4	2.6	2.7	2.8	2.8	2.8	3.2	3.3	3.7	3.9
Flowers, seeds, and potted plants	1.8	4.0	4.4	4.5	4.8	5.2	5.5	5.8	6.6	6.8
Admissions to specified spectator amusements	3.3	6.5	6.9	7.6	8.6	9.5	9.5	10.2	11.3	11.9
Motion picture theaters	1.6	2.7	2.9	3.3	3.6	3.9	3.6	3.9	4.2	4.2
Legitimate theaters and opera, and entertainments of nonprofit institutions ³	.6	1.8	2.0	2.1	2.4	2.7	3.0	3.3	4.0	4.4
Spectator sports	1.1	2.0	2.0	2.3	2.6	2.9	2.9	2.9	3.0	3.2
Clubs and fraternal organizations ⁴	1.5	3.0	3.4	3.8	4.2	4.5	4.8	5.0	5.5	5.9
Commercial participant amusements ⁵	2.4	9.7	11.7	12.5	13.8	14.1	15.1	16.0	17.1	18.9
Parimutuel net receipts	1.1	2.1	2.2	2.2	2.3	2.6	2.6	2.6	2.7	2.8
Other ⁶	5.1	19.4	23.4	26.0	30.0	33.1	38.9	44.1	50.6	57.5

¹ See table 698. ² Includes boats and pleasure aircraft. ³ Except athletic. ⁴ Consists of dues and fees excluding insurance premiums. ⁵ Consists of billiard parlors; bowling alleys; dancing, riding, shooting, skating, and swimming places; amusement devices and parks; golf courses; sightseeing buses and guides; private flying operations and other commercial participant amusements. ⁶ Consists of net receipts of lotteries and expenditures for purchase of pets and pet care services, cable TV, film processing, photographic studios, sporting and recreation camps, and recreational services, not elsewhere classified.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*; and Survey of Current Business, July issues.

Parks, Recreation, and Travel

NO. 383. AVERAGE ANNUAL EXPENDITURES OF ALL CONSUMER UNITS FOR ENTERTAINMENT AND READING, 1984 TO 1987, AND BY SELECTED CHARACTERISTICS, 1987

[In dollars, except as indicated. Based on Consumer Expenditure Survey; see text, section 14, for description of survey. See also headnote, table 713. For composition of regions, see fig. 1, inside front cover]

YEAR AND CHARACTERISTIC	ENTERTAINMENT AND READING		ENTERTAINMENT ¹			Reading
	Total	Percent of total expenditures	Total	Fees and admissions	Television, radios, and sound equipment	
1984.....	1,187	5.4	1,055	313	322	420
1985.....	1,311	5.6	1,170	320	371	479
1986.....	1,289	5.4	1,149	308	371	470
1987, all consumer units.....	1,335	5.5	1,193	323	379	491
Age of reference person:						
Under 25 years old.....	813	5.7	745	225	299	220
25-34 years old.....	1,432	5.9	1,301	287	418	597
35-44 years old.....	1,852	5.9	1,681	479	490	712
45-54 years old.....	1,640	5.2	1,469	422	458	589
55-64 years old.....	1,293	5.0	1,137	321	402	413
65-74 years old.....	1,024	5.4	873	257	250	367
75 years old and over.....	401	3.3	308	89	111	107
Region of residence: Northeast.....	1,310	5.2	1,145	345	386	412
Midwest.....	1,291	5.6	1,144	311	374	460
South.....	1,211	5.2	1,096	265	349	482
West.....	1,619	5.9	1,483	411	426	626
Size of consumer unit: One person.....	826	5.6	718	216	239	263
Two persons.....	1,273	5.1	1,117	309	351	458
Three persons.....	1,541	5.4	1,391	350	475	566
Four persons.....	1,929	5.9	1,756	476	523	757
Five persons.....	1,722	5.4	1,575	413	481	681
Six persons or more.....	1,778	5.7	1,651	372	493	787
Income before taxes:						
Complete income reporters ³	1,355	5.5	1,211	325	380	506
Under \$5,000.....	472	4.6	412	107	156	149
\$5,000-\$9,999.....	466	4.1	394	92	159	143
\$10,000-\$14,999.....	700	4.4	608	153	223	232
\$15,000-\$19,999.....	1,140	5.9	1,014	218	304	493
\$20,000-\$29,999.....	1,216	5.1	1,077	248	391	437
\$30,000-\$39,999.....	1,771	5.9	1,601	405	485	711
\$40,000-\$49,999.....	2,188	5.8	1,950	500	605	844
\$50,000 and over.....	3,068	6.0	2,781	918	747	1,116

¹ Some expenditures for vacation trips are not included in this category, such as food, lodging, and vehicle expenses.

² Other equipment and services includes pets, toys, and playground equipment. ³ A complete reporter is a consumer unit providing values for at least one of the major sources of income.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey*, annual.

NO. 384. QUANTITY OF BOOKS SOLD AND VALUE OF U.S. DOMESTIC CONSUMER EXPENDITURES, BY TYPE OF PUBLICATION AND MARKET AREA: 1975 TO 1988

[Includes all titles released by publishers in the U.S. and imports which appear under the imprints of American publishers. Multi-volume sets, such as encyclopedias, are counted as one unit]

TYPE OF PUBLICATION AND MARKET AREA	UNITS SOLD (mil.)						CONSUMER EXPENDITURES (mil. dol.)					
	1975	1980	1985	1986	1987	1988, prel.	1975	1980	1985	1986	1987	1988, prel.
Total ¹	1,541	1,866	2,044	2,071	2,122	2,195	4,969	8,854	14,072	15,052	16,953	18,416
Hardbound, total ²	526	636	724	745	775	814	3,276	5,536	8,603	9,268	10,263	11,405
Softbound, total ²	1,015	1,218	1,320	1,327	1,347	1,381	1,693	3,318	5,469	5,784	6,390	7,011
Trade.....	272	487	666	702	737	773	1,092	2,349	4,488	4,836	5,810	6,742
Adult.....	182	369	455	465	486	508	866	1,954	3,669	3,979	4,670	5,429
Juvenile.....	90	118	210	237	251	264	226	235	818	958	1,140	1,313
Religious.....	96	152	144	142	130	124	358	687	1,130	1,177	1,242	1,320
Professional.....	51	103	140	156	165	173	590	1,453	2,415	2,705	2,910	3,163
Bookclubs.....	195	127	107	103	104	104	336	473	544	557	627	708
Educational.....	257	217	238	231	210	205	683	880	1,420	1,522	1,621	1,744
College texts.....	84	118	110	108	113	117	635	1,138	1,707	1,803	1,952	2,097
Mail order publications.....	85	145	111	111	115	118	321	592	597	599	606	618
Mass market paperbacks.....	491	495	519	509	540	571	651	987	1,479	1,458	1,580	1,712
General retailers.....	595	841	1,023	1,051	1,101	1,155	1,565	3,341	6,159	6,636	7,543	8,572
College stores.....	195	242	258	257	265	272	895	1,603	2,615	2,769	3,026	3,261
Libraries and institutions.....	73	93	94	98	99	101	452	848	1,227	1,338	1,453	1,578
Schools.....	309	271	270	264	245	242	845	1,176	1,709	1,829	1,956	2,105
Direct to consumers.....	288	328	285	282	290	298	1,118	1,764	2,113	2,211	2,373	2,563
Other.....	83	80	115	118	121	127	94	124	249	269	302	338

¹ Types of publications include university press publications and subscription reference works, not shown separately.

² Beginning 1980, revised since originally published.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends*, annual. (Copyright)

Books and Periodicals

227

NO. 385. NEW BOOKS AND NEW EDITIONS PUBLISHED, AND IMPORTS, BY SUBJECT: 1980 TO 1988

[Covers listings in Bowker's *Weekly Record* in year shown, plus titles issued in that year which were listed in following six months. Comprises new books (published for first time) and new editions (with changes in text or format). Excludes government publications; books sold only by subscription; dissertations; periodicals and quarterlies; and pamphlets under 49 pages. See also *Historical Statistics, Colonial Times to 1970*, series R 191-216.]

SUBJECT	NEW BOOKS AND NEW EDITIONS							IMPORTS						
	1980	1983	1984	1985	1986	1987	1988, prel.	1980	1984	1985	1986	1987	1988, prel.	
Total	42,377	53,380	51,058	60,070	52,637	56,057	47,489	6,390	6,337	7,304	7,749	8,229	7,077	
Agriculture	461	572	507	636	564	652	575	104	103	118	124	135	114	
Art	1,691	1,896	1,836	1,545	1,697	1,693	1,398	157	61	168	168	128	109	
Biography	1,891	2,135	2,098	1,953	2,152	2,239	1,994	126	240	216	188	173	163	
Business	1,185	1,636	1,696	1,518	1,604	1,482	1,375	74	140	196	159	154	173	
Education	1,011	1,059	1,052	1,085	1,029	1,081	979	133	180	211	220	276	208	
Fiction	2,835	5,470	5,413	5,105	5,576	5,298	5,144	71	164	171	247	291	256	
General works	1,643	2,767	3,021	2,905	2,484	2,620	2,083	132	268	329	346	382	294	
History	2,220	2,296	2,257	2,327	2,471	2,882	2,550	296	324	395	384	482	434	
Home economics	879	1,325	1,306	1,228	1,103	1,186	929	40	41	41	42	39	28	
Juvenile	2,859	3,197	3,128	3,801	4,516	4,842	4,212	58	69	82	112	109	77	
Language	529	669	670	632	688	699	534	134	179	216	334	201	185	
Law	1,102	1,756	1,408	1,349	1,385	1,544	1,129	112	158	170	190	225	169	
Literature	1,686	1,957	2,006	1,964	2,145	2,358	1,982	183	238	267	261	295	286	
Medicine	3,292	4,002	3,554	3,579	3,445	3,095	3,376	671	508	598	685	757	599	
Music	357	417	387	364	356	352	273	35	54	70	66	66	61	
Philosophy, psychology	1,429	1,578	1,554	1,559	1,669	1,845	1,656	218	211	267	263	331	320	
Poetry and drama	1,179	1,234	1,164	1,166	1,278	1,236	1,106	120	174	220	216	180	183	
Religion	2,055	2,433	2,482	2,564	2,788	2,850	2,306	94	160	173	141	163	139	
Science	3,109	3,620	3,236	3,304	3,360	3,658	3,118	1,069	1,032	1,242	1,214	1,302	1,099	
Sociology, economics	7,152	8,470	7,794	7,441	7,912	8,115	7,119	1,050	1,373	1,559	1,635	1,736	1,519	
Sports, recreation	971	1,335	1,299	1,154	1,192	1,263	941	85	137	107	110	97	70	
Technology	2,337	2,994	2,639	2,526	2,698	2,756	2,216	373	454	419	618	651	549	
Travel	504	562	551	465	543	629	554	55	61	61	46	56	42	

¹ Increase is due largely to a major improvement in the recording of paperbound books. ² Revised since originally published.

Source: R. R. Bowker Co., New York, NY, *Publishers Weekly*. (Copyright by Reed Publishing.)

NO. 386. BOOKS AND PERIODICALS—AVERAGE RETAIL PRICES: 1980 TO 1988

[See headnote, table 365]

SUBJECT	BOOKS (per vol.)				SUBJECT	PERIODICALS ³			
	1980	1985	1987	1988, prel.		1980	1985	1987	1988
Hardcover ¹	\$24.64	\$31.46	\$36.28	\$38.39	Total	\$34.54	\$59.70	\$71.41	\$77.93
Agriculture	27.55	36.77	46.24	48.86	Agriculture	15.24	26.05	31.14	33.56
Art	27.70	35.15	37.71	39.84	Business and economics	25.42	44.41	50.39	53.69
Biography	19.77	22.20	25.04	25.81	Chemistry and physics	137.45	238.43	294.05	329.99
Business	22.45	28.84	33.31	37.60	Children's periodicals	7.85	13.31	15.19	16.39
Education	17.01	27.26	31.58	33.52	Engineering	49.15	84.38	103.49	114.83
Fiction	12.46	15.29	18.19	17.84	Fine and applied arts	18.67	27.03	30.58	32.43
General reference	29.84	37.91	43.81	49.29	History	15.77	25.55	27.84	30.16
History	22.78	27.02	31.74	33.24	Hobby economics	24.63	41.04	48.67	54.73
Home economics	13.31	17.50	20.13	21.57	Industrial arts	20.70	35.09	41.45	44.20
Juvenile	8.16	9.95	11.48	11.92	Journalism, communications	27.34	46.08	50.66	53.39
Language	22.16	26.68	37.89	39.12	Labor and industrial relations	18.84	34.75	38.65	44.06
Law	33.25	41.70	49.65	49.94	Law	23.00	35.15	39.82	43.33
Literature	18.70	24.53	28.70	30.81	Library and information science	23.25	40.66	48.42	51.61
Medicine	34.28	44.36	57.68	64.69	Literature and languages	15.30	24.18	26.21	28.04
Music	21.79	28.79	35.82	36.76	Mathematics, botany, geology, and general science	67.54	116.93	146.08	159.33
Philosophy, psychology	21.70	28.11	33.32	35.10	Medicine	73.37	137.92	169.36	180.67
Poetry and drama	17.85	22.14	28.46	27.19	Philosophy and religion	14.73	24.30	25.60	27.09
Religion	17.61	19.13	24.51	26.90	Education	23.45	37.81	43.30	47.95
Science	37.45	51.19	62.16	68.46	Physical education and recreation	13.83	23.72	26.67	26.60
Sociology, economics	31.76	33.33	34.38	36.44	Political science	18.30	32.72	39.95	41.55
Sports, recreation	15.82	23.43	29.36	25.55	Psychology	41.95	76.34	82.05	100.57
Technology	33.64	50.37	60.24	63.29	Sociology and anthropology	27.56	50.87	60.29	64.27
Travel	16.80	24.66	28.07	26.74	Zoology	44.58	90.75	112.91	127.33
Paperbacks:					General interest periodicals	19.87	26.41	27.79	28.29
Mass market ²	(NA)	3.63	3.98	4.58					
Trade or other	6.60	13.98	14.55	14.67					

¹ NA Not available. ² Excludes publications of U.S. and other governmental units, books sold only by subscription, and dissertations. ³ "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc.

³ Average annual subscription prices.

Source: R. R. Bowker Co., New York, NY, Books, *Publishers Weekly*, March 1989; *The Bowker Annual of Library and Book Trade Information*; Periodicals, *Library Journal*, April 15, 1988, and earlier issues. (Copyright by Reed Publishing.)

NO. 387. SELECTED CHARACTERISTICS OF READERS—PERCENT DISTRIBUTION: 1983

[Covers persons 16 years old and over. Book reader is one who read one or more books in the six months prior to the survey; a non-book reader read newspapers or magazines but no books in the previous six months; and a nonreader did not read a book, newspaper, or magazine. Based on a sample survey of 1,429 respondents. For composition of regions, see fig. 1, inside front cover.]

CHARACTERISTICS	Book reader	Non-book reader	Non-reader	CHARACTERISTICS		Book reader	Non-book reader	Non-reader
All persons.....	50	44	6	Educational attainment:				
Male	42	52	6	High school or less.....		40	53	8
Female	57	37	6	Some college		68	29	3
White	52	44	4	College or more.....		75	24	1
Other races	38	47	15	Household income:				
16-20 years.....	62	31	8	Less than \$15,000.....		35	54	11
21-29 years.....	60	36	3	\$15,000-\$24,999.....		53	41	6
30-39 years.....	58	39	3	\$25,000-\$39,999.....		59	39	3
40-49 years.....	55	39	6	\$40,000 and over		70	29	1
50-64 years.....	39	54	6	Region:				
65 years and over.....	29	61	10	Northeast.....		49	46	5
				Midwest.....		47	49	5
				South.....		48	45	7
				West.....		59	34	7

Source: Book Industry Study Group, Inc., New York, NY, 1983 *Consumer Research Study on Reading and Book Purchasing*. (Copyright.)

NO. 388. PHONOGRAPH RECORDS AND OTHER RECORDING MEDIA—MANUFACTURERS' SHIPMENTS AND VALUE: 1975 TO 1988

[Domestic shipments based on reports of manufacturers representing more than 85 percent of the market. Domestic value data based on list prices of records and other media]

TYPE OF MEDIA	UNIT SHIPMENTS ¹ (mil.)					MANUFACTURERS' VALUE (mil. dol.)				
	1975	1980	1985	1987	1988	1975	1980	1985	1987	1988
Total.....	531.8	683.7	653.0	706.8	761.9	2,378.3	3,862.4	4,387.8	5,567.5	6,254.8
Phonograph records.....	421.0	487.1	287.7	189.0	138.0	1,696.5	2,559.3	1,561.5	996.4	712.7
Long-playing albums ²	257.0	322.8	167.0	107.0	72.4	1,485.0	2,290.3	1,280.5	793.1	522.3
Singles.....	164.0	164.3	120.7	82.0	65.6	211.5	289.3	281.0	203.3	180.4
Pre-recorded.....	110.8	196.6	342.6	415.1	472.6	681.8	1,302.8	2,436.8	2,977.5	3,442.4
B-track cartridges.....	94.6	66.4	3.5	(Z)	(Z)	583.0	526.4	253.3	3.5	(Z)
Cassettes.....	16.2	110.2	339.1	410.0	450.1	98.8	776.4	2,411.5	2,959.7	3,385.1
Cassette singles.....	(X)	(X)	(X)	3.5	22.5	(X)	(X)	(X)	14.3	57.3
Compact disks (CD's).....	(X)	(X)	22.6	102.1	149.7	(X)	(X)	389.5	1,593.6	2,089.9
CD singles.....	(X)	(X)	(X)	(X)	1.6	(X)	(X)	(X)	(X)	9.8

X Not applicable. Z Rounds to zero. ¹ Units net after returns. ² Includes extended play albums. ³ July-Dec. 1987.

Source: Recording Industry Association of America, Inc., Washington, DC, *Inside the Recording Industry: A Statistical Overview—1988 Update* (copyright) and earlier issues.

NO. 389. HOUSEHOLD CAMERA AND VIDEO EQUIPMENT USE, BY SELECTED CHARACTERISTIC: 1985 AND 1988

[As of January, except as indicated. Based on surveys and subject to sampling error; for details, see source]

CHARACTERISTIC	TOTAL HOUSEHOLDS ¹ (1,000)		PERCENT OWNING—				PERCENT USING VIDEO TRANSFER SERVICE ²			
			Camera		Video equipment					
	1985	1988	1985	1988	Video cassette recorder		1985	1988		
					1985	1988				
Total.....	85,407	89,479	85.1	91.9	20.9	66.5	2.2	7.2	1.2	5.5
Age of householder:										
Under 25 years old	2,985	4,255	93.0	95.1	18.2	66.9	—	3.6	—	4.9
25 to 34 years old	17,841	24,698	92.3	95.5	24.7	74.5	3.4	7.9	.8	4.8
35 to 44 years old	17,638	20,056	94.5	96.0	34.2	81.0	4.2	10.2	2.7	7.1
45 to 54 years old	14,042	13,568	90.7	94.5	23.7	69.8	1.0	9.3	1.0	7.9
55 years old and over	32,901	26,900	74.2	83.5	10.5	45.3	1.2	3.9	.8	3.7
Educational attainment of householder:										
Some high school or less.....	11,329	6,249	72.5	81.2	6.6	46.0	1.1	3.2	1.2	2.4
High school graduate.....	33,240	27,466	83.0	90.2	17.8	58.6	1.2	6.8	.4	4.0
Some college.....	18,384	25,978	90.4	93.1	24.0	69.4	3.0	5.9	1.8	4.8
College graduate or more.....	22,454	29,787	90.0	94.8	29.6	75.4	3.9	9.8	1.5	8.0
Household income:										
Under \$10,000.....	14,178	14,373	65.6	79.7	6.7	30.8	—	1.8	1.0	1.9
\$10,000 to \$19,999.....	15,467	17,705	82.9	90.1	7.0	50.5	.4	.9	—	3.2
\$20,000 to \$29,999.....	13,635	16,634	87.1	94.1	17.9	72.5	.5	5.6	.5	5.4
\$30,000 to \$44,999.....	18,723	19,223	93.5	95.8	38.0	78.4	4.7	10.0	1.4	5.9
\$45,000 or more.....	23,404	21,544	89.2	96.1	26.1	85.9	3.8	14.6	2.3	9.4

- Rounds to zero. ¹ As of March of the prior year. ² Anytime during the prior year.

Source: Photo Marketing Association International, Jackson, MI, *Consumer Photographic Survey, 1985 and 1988*. (Copyright.)

Spectator Sports

229

NO. 390. SELECTED SPECTATOR SPORTS: 1980 TO 1988

[See also *Historical Statistics, Colonial Times to 1970*, series H 865-870 and H 872]

SPORT	Unit	1980	1981	1982	1983	1984	1985	1986	1987	1988
Baseball, major leagues: ¹										
Attendance	1,000	43,746	² 27,285	45,415	46,269	45,262	47,742	48,452	53,182	53,800
Regular season	1,000	43,014	² 26,544	44,587	45,540	44,742	46,824	47,506	52,011	52,999
National League	1,000	21,124	² 12,478	21,507	21,549	20,781	22,292	22,333	24,734	24,499
American League	1,000	21,890	² 14,066	23,080	23,991	23,961	24,532	25,173	27,277	28,500
Playoffs	1,000	407	403	443	425	248	591	624	784	541
World Series	1,000	325	338	385	304	272	327	322	387	260
Players' salaries: ³	Average	\$1,000	144	186	241	289	329	371	413	439
Basketball: ^{4,5}										
Men's:										
College:										
Teams	Number	1,258	1,275	1,264	1,266	1,260	1,266	1,265	1,270	1,277
Attendance	1,000	30,692	30,935	31,106	31,471	31,684	32,057	31,645	31,911	32,504
Women's:										
College:										
Teams	Number	(NA)	(NA)	1,095	1,114	1,147	1,166	1,188	1,188	1,190
Attendance	1,000	(NA)	(NA)	2,397	2,502	2,870	2,944	3,020	3,121	3,301
Pro: ⁶										
Teams	Number	22	23	23	23	23	23	23	23	23
Attendance, total ⁷	1,000	10,697	10,235	10,732	10,262	11,110	11,491	12,193	13,186	14,051
Regular season	1,000	9,938	9,449	9,989	9,638	10,015	10,506	11,215	12,065	12,654
Average per game	Number	11,017	10,021	10,593	10,220	10,620	11,141	11,893	12,765	13,419
Playoffs	1,000	740	765	727	606	1,096	985	979	1,091	1,397
Players' salaries:	Average	\$1,000	170	171	212	249	275	325	375	440
Football:										
College: ⁸										
Teams	Number	642	648	649	651	654	661	666	667	673
Attendance	1,000	35,541	35,807	36,539	36,302	36,652	36,312	36,388	36,463	35,581
National Football League: ⁹										
Teams	Number	28	28	28	28	28	28	28	28	28
Attendance, total ¹⁰	1,000	14,092	14,326	² 8,504	13,953	14,053	14,058	17,304	² 15,180	17,024
Regular season	1,000	13,392	13,607	² 7,367	13,277	13,398	13,345	13,588	² 11,406	13,539
Average per game	Number	59,787	60,745	² 58,472	59,874	59,813	59,567	60,663	² 54,315	60,446
Postseason games ¹⁰	1,000	700	719	² 1,137	676	655	711	734	656	658
Players' salaries: ¹¹	Average	\$1,000	79	90	102	127	158	193	203	212
	Median base salary	\$1,000	70	75	80	90	110	140	150	175
National Hockey League: ¹²										
Regular season attendance	1,000	10,534	10,726	10,710	11,021	11,359	11,633	11,621	12,116	12,418
Playoffs attendance	1,000	977	966	1,058	1,008	1,107	1,109	1,152	1,336	1,323
Players' salaries: ¹³	Average	\$1,000	108	120	124	130	145	150	158	172
Horseracing: ^{14,15}										
Racing days	Number	13,133	13,464	13,523	13,545	13,683	13,745	13,853	14,208	14,285
Attendance	1,000	74,690	75,463	76,858	75,693	74,076	73,346	70,580	70,105	69,949
Pari-mutuel turnover	Mil. dol.	11,218	11,677	11,888	11,733	12,032	12,222	12,421	13,122	13,616
Revenue to government	Mil. dol.	713	680	653	639	650	625	587	608	596
Greyhound: ¹⁴										
Total performances	Number	5,855	6,379	6,499	8,257	8,661	9,590	10,654	11,156	12,904
Attendance	1,000	20,874	21,424	21,375	22,140	22,076	23,853	25,759	26,215	26,477
Pari-mutuel turnover	Mil. dol.	2,064	2,173	2,179	2,306	2,421	2,702	3,005	3,193	3,291
Revenue to government	Mil. dol.	152	152	160	170	177	201	215	221	230
Jai alai: ¹⁶										
Teams	Number	9	12	12	12	12	12	16	16	16
Attendance	1,000	3,939	5,453	4,948	4,829	4,878	4,722	6,757	6,816	6,414
Pari-mutuel turnover	Mil. dol.	(NA)	(NA)	622.8	619.8	665.9	664.0	667.6	707.5	663.6
Professional rodeo: ¹⁷										
Rodeos	Number	631	641	643	650	643	617	616	637	707
Performances	Number	1,921	1,941	1,936	1,964	1,936	1,887	1,868	1,832	2,037
Members	Number	5,114	5,391	5,461	5,352	5,324	5,239	5,603	5,342	5,480
Permit-holders (rookies)	Number	4,038	4,478	4,105	2,929	2,911	2,534	2,700	2,746	3,310

NA Not available. ¹ Source: The National League of Professional Baseball Clubs, New York, NY, *National League Green Book*; and The American League of Professional Baseball Clubs, New York, NY, *American League Red Book*. ² Season was interrupted by strike. ³ Source: Major League Baseball Players Association, New York, NY. ⁴ Season ending in year shown.

⁵ Source: National Collegiate Athletic Assn., Mission, KS. For women's attendance total, excludes double-headers with men's teams. ⁶ Source: National Basketball Assn., New York, NY. Includes playoffs. ⁷ Includes All-Star game. ⁸ Source: National Football League, New York, NY. ⁹ Beginning 1986, includes preseason attendance. ¹⁰ Beginning 1986, includes Pro Bowl, a non-championship game and Super Bowl. ¹¹ Source: National Football League Players Association, Washington, DC. ¹² Source: National Hockey League, Montreal, Quebec. ¹³ Source: National Hockey League Players Association, Toronto, Canada. ¹⁴ Source: Association of Racing Commissioners International, Inc., Lexington, KY. ¹⁵ Includes thoroughbred, harness, quarter horse, and fair. ¹⁶ Florida only. Source: National Association of Jai-alai Frontons, Inc., Daytona Beach, FL. ¹⁷ Source: Professional Rodeo Cowboys Association, Colorado Springs, CO, *Official Professional Rodeo Media Guide*, annual. (Copyright)

Source: Compiled from sources listed in footnotes.

NO. 391. SELECTED RECREATIONAL ACTIVITIES: 1970 TO 1988

[See also *Historical Statistics, Colonial Times to 1970*, series H 862-864, H 871, H 874, and H 877]

ACTIVITY	Unit	1970	1975	1980	1983	1984	1985	1986	1987	1988
Softball, amateur: Total participants ²	Million	16	26	30	30	35	41	41	41	41
Youth participants	1,000	255	450	650	700	700	712	717	720	720
Adult teams ³	1,000	29	66	110	146	146	152	172	178	181
Youth teams ³	1,000	2	9	18	27	29	31	35	38	39
Golfers (1 round or more) ⁴	1,000	11,245	13,036	15,112	16,514	17,009	17,520	20,000	21,700	23,400
Golf rounds played	1,000	266,169	308,562	357,701	390,886	402,603	414,777	421,000	434,000	487,000
Golf facilities: Classification:	Number	10,188	11,370	12,005	12,197	12,278	12,346	12,384	12,407	12,582
Private	Number	4,619	4,770	4,839	4,809	4,831	4,861	4,885	4,898	4,897
Daily fee	Number	4,248	5,014	5,372	5,528	5,566	5,573	5,587	5,583	5,748
Municipal	Number	1,321	1,506	1,794	1,860	1,881	1,912	1,912	1,926	1,937
Tennis: ⁵										
Players	1,000	10,655	8 ⁶ 29,201	(NA)	(NA)	8 ⁶ 19,456	8 ⁶ 18,951	8 ⁶ 18,017	8 ⁶ 16,911	8 ⁶ 17,314
Courts	1,000	(NA)	130	(NA)	200	220	220	220	220	220
Indoor	1,000	(NA)	8	(NA)	13	14	14	14	14	14
Tenpin bowling: Participants, total ⁹	Million	51.8	62.5	72.0	(NA)	67.0	67.0	67.0	68.0	68.0
Male	Million	24.8	29.9	34.0	(NA)	32.0	32.0	32.0	33.1	33.1
Female	Million	27.0	32.6	38.0	(NA)	35.0	35.0	35.0	34.9	34.9
Establishments ¹⁰	Number	9,140	8,577	8,591	8,404	8,351	8,275	8,149	8,031	7,923
Lanes ¹⁰	1,000	141	141	154	154	155	155	153	151	150
Membership, total ^{10,11}	1,000	7,733	8,751	9,695	9,269	8,401	8,064	7,839	7,421	7,167
American Bowling Congress: Women's Bowling Congress	1,000	4,210	4,300	4,688	4,556	3,791	3,657	3,625	3,424	3,313
Young American Bowling Alliance ¹²	1,000	2,988	3,692	4,118	3,947	3,866	3,714	3,551	3,351	3,189
Motion picture theaters ^{13,14}	1,000	14	15	18	19	20	21	23	24	23
Four-wall	1,000	10	11	14	16	17	18	20	21	22
Drive-in	1,000	4	4	4	3	3	3	3	3	2
Receipts, box office	Mil. dol.	1,225	2,115	2,749	3,766	4,031	3,749	3,778	4,253	4,458
Admission, average price	Dollars	1.55	2.05	2.69	3.15	3.36	3.55	3.71	3.91	4.11
Attendance	Million	921	1,033	1,022	1,197	1,199	1,056	1,017	1,089	1,085
Bicycles: ¹⁵										
Domestic shipments	Million	5.0	5.6	6.9	6.3	5.9	5.8	5.3	5.2	4.5
Imports	Million	1.9	1.7	2.0	2.7	4.2	5.6	7.0	7.4	5.4
Boating: ¹⁶										
Recreational boats owned	Million	8.8	9.7	11.8	13.0	13.5	13.8	14.3	14.5	15.1
Outboard boats	Million	5.2	5.7	6.8	7.2	7.3	7.4	7.6	7.5	7.7
Inboard boats	Million	.6	.8	1.2	1.3	1.4	1.4	1.5	1.7	1.8
Sailboats	Million	.6	.8	1.0	1.1	1.1	1.2	1.2	1.2	1.3
Canoes	Million	2.4	2.4	1.3	1.6	1.7	1.8	1.9	2.0	2.1
Rowboats and other	Million	2.4	2.4	1.5	1.8	1.8	1.8	1.9	2.1	2.2
Expenditures, total ¹⁷	Bil. dol.	3.4	4.8	7.4	9.4	12.3	13.3	14.5	16.5	17.9
Outboard motors in use	1,000	7,215	7,649	8,241	9,051	9,400	9,733	10,081	10,469	10,860
Motors sold	1,000	430	435	315	337	411	392	410	444	460
Value, retail	Mil. dol.	281	411	554	964	1,294	1,319	1,464	1,726	1,828
Outboard boats sold	1,000	276	328	290	273	317	305	314	342	355
Value, retail	Mil. dol.	177	263	408	502	708	759	835	1,001	1,225
Inboard/outdrive boats sold	1,000	43	70	56	79	108	115	120	144	148
Value, retail	Mil. dol.	182	420	616	975	1,442	1,663	1,861	2,450	2,585
All terrain vehicles: Vehicles in use or owned ¹⁸	1,000	(NA)	(NA)	(NA)	1,100	1,600	2,000	2,300	2,475	2,517
Imports ¹⁹	1,000	(NA)	(NA)	(NA)	430	635	683	498	317	209
Snowmobiles: ²⁰										
Factory sales	1,000	172	144	62	27	32	30	36	36	43
Apparent consumption ²¹	1,000	405	145	86	53	68	61	65	74	73

NA Not available. ¹ Source: Amateur Softball Association, Oklahoma City, OK. ² Amateur Softball Association teams and other amateur softball teams. ³ Amateur Softball Association teams only. ⁴ Source: National Golf Foundation, Jupiter, FL.

⁵ Source: U.S. Tennis Association, Princeton, NJ. ⁶ Survey by A. C. Nielsen Co. ⁷ 1976 data. ⁸ Based on National Sporting Goods Association Sports Participation Survey. ⁹ For season ending in year shown. Persons 5 years old and over.

Source: National Bowling Council, Washington, DC. ¹⁰ Source: American Bowling Congress, Greendale, WI. Season ending in year shown. ¹¹ Membership totals are for U.S., Canada and for U.S. military personnel worldwide. ¹² Prior to 1983, represents American Jr. Bowling Congress and ABC/WIBC Collegiate Division. ¹³ Source: Motion Picture Association of America, Inc., New York, NY. ¹⁴ Prior to 1975, figures represent theaters; thereafter, screens. ¹⁵ Source: Bicycle Manufacturers Association of America, Inc., Washington, DC. ¹⁶ Source: National Marine Manufacturers Association, Chicago, IL.

¹⁷ Represents estimated expenditures for new and used boats, motors, accessories, safety equipment, fuel, insurance, docking, maintenance, storage, repairs, and other expenses. ¹⁸ Source: Specialty Vehicle Institute of America, Irvine, CA. ¹⁹ Source: Motorcycle Industry Council, Inc., Irvine, CA. ²⁰ Source: International Snowmobile Industry Association, Washington, DC. Estimated.

²¹ Factory sales plus imports minus exports.

Source: Compiled from sources listed in footnotes.

Sports Activities Participation

231

NO. 392. PARTICIPATION IN SPORTS ACTIVITIES, BY SELECTED CHARACTERISTICS: 1968

[For persons 7 years of age or older. Except as indicated, a participant plays a sport more than once in the year. Based on a sampling of 10,000 households]

ACTIVITY	ALL PERSONS		SEX						AGE						HOUSEHOLD INCOME (do.)			
			Males	Females	7-11 yrs.	12-17 yrs.	18-24 yrs.	25-34 yrs.	35-44 yrs.	45-54 yrs.	55-64 yrs.	65 yrs. and over	Under 15,000	15,000-19,999	20,000-24,999	25,000-34,999	35,000-49,999	Over 50,000
	Number	Percent	Total (1,000)	104,876	111,983	16,680	20,606	27,246	43,082	34,418	23,146	21,759	29,893	53,182	39,932	40,540	40,993	42,222
Percent participated in:																		
Aerobic exercising ¹	11.2	8	3,5	3.5	18.4	5.1	9.5	18.3	18.3	13.7	7.9	4.2	3.6	6.1	10.1	10.5	12.8	15.0
Backpacking/wilderness camping	4.2	24	5.6	2.8	3.9	6.3	7.9	6.5	3.6	2.2	1.7	-	3.4	5.0	4.0	4.8	3.9	3.9
Baseball	6.2	18	10.3	2.3	18.4	21.2	8.2	4.5	6.0	6.3	1.9	-	4.4	5.4	6.9	6.9	6.9	6.9
Basketball	10.7	9	15.7	5.9	36.8	18.3	12.0	20.0	25.6	22.0	12.3	9.7	7.9	9.1	11.6	13.4	12.0	12.0
Bicycle riding ¹	24.8	3	24.9	24.8	54.3	45.4	26.6	25.1	23.7	18.3	11.8	6.0	6.1	12.8	24.4	20.5	27.9	28.8
Bowling	17.5	6	16.2	16.7	18.7	24.6	25.1	23.7	23.7	23.7	11.8	6.0	6.1	12.8	16.3	20.5	18.5	18.5
Calisthenics ¹	6.3	17	5.3	7.2	4.7	10.4	9.6	7.8	6.2	3.7	3.4	3.4	5.0	6.0	6.0	7.1	7.7	7.7
Camping—overnight	19.5	4	21.1	18.0	25.5	27.5	21.6	25.6	21.6	21.7	13.1	13.1	7.3	16.4	19.5	22.2	23.4	23.4
Exercise walking ¹	28.7	2	20.1	36.8	11.0	15.4	9.1	20.7	21.1	31.7	31.9	40.4	31.6	26.4	29.2	28.3	29.0	31.4
Exercising with equipment ¹	13.3	7	14.0	12.7	1.6	16.0	14.9	18.0	14.9	12.3	8.1	8.1	4.6	8.7	11.4	14.2	14.9	18.6
Fishing—fresh water	16.3	5	25.2	11.9	20.9	22.3	13.4	25.1	20.0	15.0	13.3	10.5	17.3	20.6	21.3	18.8	14.1	14.1
Fishing—salt water	6.0	19	8.7	3.4	3.2	6.2	8.1	6.8	5.8	5.5	5.5	4.3	5.2	6.2	6.1	6.3	6.3	6.3
Football	5.7	20	10.3	1.4	8.7	22.5	12.4	5.2	5.2	5.2	12.8	11.1	7.8	7.6	4.7	5.5	5.6	6.1
Golf	10.5	11	16.4	4.9	3.5	9.3	8.2	10.3	10.3	11.0	10.9	8.1	7.6	4.8	8.1	9.7	12.5	18.5
Hiking	9.2	14	9.5	8.9	10.5	10.4	11.6	10.9	8.1	7.6	7.9	4.5	6.6	8.9	8.5	11.5	9.9	9.9
Hunting with firearms	7.9	16	14.4	1.8	2.0	8.5	10.4	12.6	9.0	6.7	5.8	3.0	6.6	9.5	9.0	8.4	8.4	6.3
Handball	4.3	23	6.2	2.6	1.0	5.3	7.0	4.9	4.9	4.9	10.4	6.8	2.4	1.1	8.0	9.7	10.9	12.4
Handicrafts	10.6	10	12.7	8.5	9.3	20.4	24.3	24.5	24.5	24.5	10.4	6.3	2.8	2.9	3.0	4.2	5.1	6.6
Hunting (fogging) ¹	4.3	23	6.2	2.6	1.0	5.3	7.0	4.9	4.9	4.9	10.4	6.8	2.4	1.1	8.0	9.7	10.9	12.5
Skiing—downhill	2.7	26	7.2	4.3	3.5	10.2	11.0	8.6	8.6	8.6	4.2	3.1	-	-	1.3	1.8	3.5	4.2
Skiing—cross country	2.7	26	7.2	2.6	2.4	3.2	1.9	4.0	4.0	4.0	1.8	1.5	-	-	2.3	2.7	4.9	5.8
Soccer	4.0	25	5.2	2.9	2.9	17.8	3.2	1.5	1.5	1.5	-	-	-	-	-	-	-	-
Softball	9.5	13	11.6	7.6	12.2	21.3	16.2	13.7	13.7	8.2	3.3	1.0	-	-	7.0	8.4	10.3	12.4
Swimming ¹	32.8	1	30.9	34.5	57.6	55.1	41.2	36.2	32.1	22.0	16.9	11.7	7.4	10.1	30.4	35.4	36.8	39.5
Target shooting ¹	4.7	22	7.6	1.9	3.4	6.6	6.7	4.7	4.7	4.7	2.9	1.8	1.0	4.0	5.4	6.0	5.0	3.1
Tennis	8.0	15	9.2	6.8	5.0	15.5	15.3	10.7	8.5	8.5	4.6	4.6	1.2	-	5.3	5.8	8.3	12.3
Volleyball	10.1	12	10.0	10.2	5.1	25.5	17.2	13.8	9.3	9.3	4.6	4.6	-	-	8.0	9.3	11.2	12.4

¹ Represents or rounds to zero. X Not applicable.

² Participant engaged in activity at least six times in the year.

Source: National Sporting Goods Association, Mt. Prospect, IL, *Sports Participation in 1968: Series I* (Copyright.)

Parks, Recreation, and Travel

NO. 393. SPORTING GOODS SALES, BY PRODUCT CATEGORY: 1980 TO 1989

[In millions of dollars, except percent. Based on a sample survey of consumer purchases of 80,000 households, except recreational transport, which was provided by industry associations. Excludes Alaska and Hawaii]

SELECTED PRODUCT CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989, proj.
Sales, all products.....	16,691	18,725	18,684	23,111	26,401	27,446	30,614	33,942	35,848	37,537
Annual percent change	-1.4	12.2	-2	23.7	14.2	4.0	11.5	10.9	5.6	4.7
Percent of retail sales.....	1.7	1.8	1.7	2.0	2.1	2.0	2.1	2.2	2.2	(NA)
Athletic and sport clothing ²	3,127	3,201	3,014	3,226	3,432	3,376	3,931	4,645	4,788	4,982
Athletic and sport footwear ³	1,731	1,785	1,900	2,189	2,381	2,610	3,199	3,524	3,772	3,957
Walking shoes.....	(NA)	(NA)	(NA)	(NA)	(NA)	263	368	512	752	888
Gym shoes, sneakers.....	465	616	659	639	669	656	842	693	783	830
Jogging and running shoes.....	397	372	421	557	591	572	476	475	460	442
Tennis shoes.....	359	284	287	340	371	470	448	367	353	367
Aerobic shoes.....	(NA)	(NA)	10	29	54	178	333	401	327	294
Basketball shoes.....	86	80	81	119	155	185	187	189	226	254
Golf shoes.....	68	78	99	115	110	109	120	130	128	139
Athletic and sport equipment ³	6,487	6,762	7,114	7,925	8,317	8,922	9,477	9,900	10,472	10,961
Firearms and hunting.....	1,351	1,454	1,567	1,666	1,620	1,699	1,675	1,804	1,894	1,951
Exercise equipment.....	(NA)	(NA)	723	960	1,055	1,216	1,206	1,191	1,411	1,524
Golf.....	386	413	493	633	630	730	828	946	964	1,031
Camping.....	646	663	725	790	699	724	833	859	906	924
Bicycles (10-12-15-18+ speed).....	(NA)	(NA)	656	761	765	975	1,089	920	819	884
Fishing tackle.....	539	689	586	606	616	681	773	830	766	820
Snow skiing.....	379	307	332	386	502	593	622	661	752	752
Tennis.....	237	254	277	293	315	273	260	238	259	269
Archery.....	149	169	168	179	212	212	214	224	235	246
Baseball and softball.....	158	157	154	173	153	176	180	173	169	176
Water skis.....	123	123	106	133	146	125	132	148	180	174
Bowling accessories.....	107	107	103	106	108	106	114	129	129	132
Recreational transport.....	5,345	6,977	6,656	9,771	12,271	12,539	14,007	15,873	16,835	17,637
Pleasure boats.....	2,718	3,656	3,684	4,612	6,209	6,753	7,372	8,906	9,720	10,595
Recreational vehicles.....	1,178	1,820	1,701	3,368	4,082	3,515	3,940	4,507	4,839	4,558
Bicycles and supplies.....	1,233	1,299	1,148	1,638	1,840	2,109	2,518	2,272	2,038	2,205
Snowmobiles.....	216	202	123	153	140	162	177	188	239	279

NA Not available. ¹ Change from prior year shown; for 1980, change from 1979. Minus sign (-) indicates decrease. For explanation of average annual percent change, see Guide to Tabular Presentation. ² Category does not completely cover all sales. ³ Includes other products not shown separately.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sporting Goods Market in 1989*, and prior issues. (Copyright.)

NO. 394. CONSUMER PURCHASES OF SPORTING GOODS, BY CONSUMER CHARACTERISTICS: 1988

[In percent. Based on sample survey of consumer purchases of 80,000 households. Excludes Alaska and Hawaii]

CHARACTERISTIC	Total households	FOOTWEAR				EQUIPMENT					
		Aero- bic shoes	Gym shoes/ sneak- ers	Jog- ging/ running shoes	Walk- ing shoes	Bicy- cles ¹	Camp- ing equip- ment	Ex- er- cise equip- ment	Rifles	Shot- guns	Golf equip- ment
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Age of user:											
Under 14 years old.....	20.2	4.9	32.8	5.3	2.7	14.3	10.0	3.0	2.1	4.5	2.0
14 to 17 years old.....	5.9	5.0	17.7	9.5	2.0	6.2	4.0	4.0	7.2	11.3	2.0
18 to 24 years old.....	11.2	10.2	9.4	11.9	3.0	12.2	8.0	4.0	13.3	12.9	5.0
25 to 34 years old.....	17.8	35.4	15.9	26.5	16.6	24.5	28.0	23.0	29.5	28.4	19.0
35 to 44 years old.....	14.1	23.5	10.8	24.7	19.1	17.7	19.0	20.0	30.0	15.7	26.0
45 to 64 years old.....	18.5	15.7	10.1	17.0	35.6	8.3	13.0	30.0	18.4	18.2	30.0
65 years old and over.....	12.3	5.3	3.3	5.1	18.0	2.3	2.0	11.0	3.0	6.3	12.0
Multiple ages ²	-	-	-	-	-	14.5	15.0	6.0	2.5	2.7	3.0
Sex of user:											
Male.....	48.8	16.6	58.0	66.1	38.6	59.1	63.0	50.0	90.0	96.5	77.0
Female.....	51.2	83.4	42.0	33.9	61.4	30.0	24.0	39.0	6.6	1.3	18.0
Both ²	-	-	-	-	-	10.9	13.0	11.0	3.4	2.2	5.0
Education of household head:											
Less than high school.....	14.5	6.7	8.3	4.0	9.0	6.3	7.0	8.0	13.0	12.6	4.0
High school.....	31.0	22.8	29.3	19.6	27.5	19.6	23.0	28.0	36.3	27.3	17.0
Some college.....	25.7	26.7	29.4	27.5	29.3	30.2	31.0	28.0	20.6	33.9	29.0
College graduate.....	26.8	41.8	32.0	48.9	37.2	43.9	39.0	38.0	30.1	26.2	50.0
Annual household income:											
Under \$15,000.....	28.4	15.2	18.1	12.7	19.1	11.8	16.0	9.0	15.8	13.1	6.0
\$15,000 to \$24,999.....	19.3	15.2	17.2	13.2	16.3	17.4	18.0	15.0	20.2	18.3	9.0
\$25,000 to \$34,999.....	17.0	20.1	18.4	19.1	16.0	21.4	20.0	19.0	15.3	16.6	13.0
\$35,000 to \$49,999.....	17.0	23.1	22.3	24.2	20.6	22.5	21.0	20.0	24.3	23.0	25.0
\$50,000 and over.....	18.3	26.4	24.0	30.8	28.0	26.9	25.0	37.0	24.4	29.0	47.0

- Represents or rounds to zero. ¹ 10-12-15-18+ speed. ² Equipment used by multiple age groups or both sexes.

Source: National Sporting Goods Association, Mt. Prospect, IL, *The Sporting Goods Market in 1989*, and prior issues. (Copyright.)

No. 395. HOUSEHOLD PARTICIPATION IN LAWN AND GARDEN ACTIVITIES—SUMMARY: 1984 TO 1988

[Based on national sample survey conducted by the Gallup Organization. For the 1988 survey, a total of 2,694 households were personally interviewed at home. For composition of region, see fig. I, inside front cover. Subject to sampling variability; see source.]

ACTIVITY	1984	1985	1986	1987	1988	CHARACTERISTIC OF RESPONDENT	1988, PERCENT DISTRIBUTION	
							Households	Sales
Number of households (mill.)	85.4	87.9	88.5	89.5	91.1	Total.....	100.0	100.0
Percent of households engaged in—						18-29 years old.....	21	16
Lawn care.....	63	64	58	59	58	30-49 years old.....	40	47
Indoor houseplants.....	46	42	41	41	41	50 years old and over.....	39	37
Flower gardening.....	47	41	44	43	42	Northeast.....	23	24
Vegetable gardening.....	40	37	38	33	34	Midwest.....	27	23
Shrub care.....	36	30	31	33	34	South.....	30	32
Insect control.....	38	27	33	30	32	West.....	20	21
Landscaping.....	25	23	22	24	22			
Tree care.....	26	20	24	25	23			
Flower bulbs.....	27	19	24	27	24	City.....	24	24
Fruit trees.....	18	17	17	18	16	Suburb.....	34	35
Raising transplants ¹	17	11	13	15	11	Small town.....	11	9
Growing berries.....	11	7	8	9	8	Rural.....	31	32
Ornamental gardening.....	9	7	6	8	6			
Herb gardening.....	(NA)	(NA)	6	7	5			
Container gardening.....	(NA)	(NA)	12	12	11			
Total retail sales (mil. dol.)	14,243	12,026	14,208	17,491	15,518			

NA Not available. ¹ Starting plants in advance of planting in ground.

Source: The National Gardening Association, Burlington, VT, *National Gardening Survey*, annual. (Copyright.)

No. 396. FLORAL AND NURSERY PRODUCTS—GROWER CASH RECEIPTS, IMPORTS, AND CONSUMPTION: 1986 TO 1988

[In millions of dollars, except per capita. Based on survey of 26 commercial floriculture states. For details, see source.]

ITEM	Total	Cut flowers	OTHER NURSERY ORNAMENTALS					
			Potted flowering plants	Foliage plants	Bedding plants	Cut decorative greens	Other ¹	
Wholesale value:								
1986.....	5,848	360	389	521	560	77	3,941	
1987.....	6,647	439	511	515	739	88	4,353	
1988, prel.....	6,884	452	494	477	724	80	4,647	
Imports:								
1986.....	358	235	11	21	(NA)	19	72	
1987.....	376	244	14	22	(NA)	24	72	
1988, prel.....	429	284	16	22	(NA)	22	86	
Consumption:								
1986.....	6,125	577	373	522	560	91	4,003	
1987.....	6,937	665	501	512	739	107	4,412	
1988, prel.....	7,208	714	478	468	724	103	4,721	
Per capita (dol.): ²								
1986.....	25.40	2.39	1.55	2.16	2.32	.38	16.60	
1987.....	28.50	2.73	2.06	2.10	3.04	.44	18.13	
1988, prel.....	29.32	2.90	1.94	1.90	2.95	.42	19.21	

NA Not available. ¹ Includes annuals and perennials (except Christmas trees), for example, bulbs, live plants, turfgrass.

² Based on U.S. Bureau of the Census estimated resident population as of July 1.

Source: U.S. Department of Agriculture, Economic Research Service, *Production and Marketing of Floriculture and Environmental Horticulture Products: A Statistical Review: 1960 to 1988*, 1989.

No. 397. SPORT FISHING AND HUNTING LICENSES—NUMBER AND COST: 1970 TO 1987

[For fiscal years ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 875-876]

ITEM	Unit	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Fishing licenses: Sales.....	Million.....	31.1	34.7	35.4	35.2	37.9	37.2	37.8	36.1	35.7	35.9	36.5
Resident.....	Million.....	26.8	30.0	30.3	30.1	32.6	32.1	32.5	31.0	30.5	30.4	31.0
Nonresident.....	Million.....	4.3	4.7	5.1	5.1	5.3	5.1	5.3	5.1	5.2	5.4	5.6
Paid license holders ¹	Million.....	24.4	27.5	27.9	28.0	29.3	29.6	29.1	28.0	29.7	30.4	30.3
Cost to anglers.....	Mil. dol.	91	142	174	196	213	227	244	260	282	302	315
Hunting licenses: Sales.....	Million.....	22.2	25.9	26.4	27.0	27.9	28.3	28.9	28.5	27.7	27.9	28.8
Resident.....	Million.....	21.0	24.7	25.0	25.6	26.4	26.7	27.2	26.8	26.1	26.3	27.2
Nonresident.....	Million.....	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.6	1.7	1.7	1.7
Paid license holders ¹	Million.....	15.4	16.8	16.6	16.3	16.6	16.7	16.4	16.0	15.9	15.8	15.8
Cost to hunters.....	Mil. dol.	102	155	199	222	242	259	277	292	301	323	345
Federal duck stamps sold.....	1,000.....	2,072	2,222	2,216	2,080	2,045	1,907	1,926	1,868	1,914	1,780	1,793

¹ Resident and nonresident. Includes multiple counting of license holders who bought nonresident licenses as well as a home State license. "Licenses" includes licenses, tags, permits and stamps.

Source: U.S. Fish and Wildlife Service, *Federal Aid in Fish and Wildlife Restoration*, annual.

Parks, Recreation, and Travel

NO. 398. FISHERMEN AND HUNTERS—SUMMARY: 1985

[Covers persons 16 years old and over. Sportsman are anyone who fished or hunted. Based on the National Surveys of Fishing, Hunting, and Wildlife-Associated Recreation conducted by the Bureau of the Census. For composition of divisions, see fig. 1, inside front cover.]

TYPE OF FISHING	FISHERMEN		Days of fishing (mil.)	Expenditures (mil. dol.)	TYPE OF HUNTING	HUNTERS		Days of hunting (mil.)	Expenditures (mil. dol.)
	Number (1,000)	Percent of population				Number (1,000)	Percent of population		
Total, all fishing.....	¹ 46,357	28	¹ 977	² 28,146	Total, all hunting.....	¹ 16,684	9	¹ 334	² 10,069
All freshwater fishing.....	¹ 39,823	22	¹ 828	² 19,383	Big game.....	12,520	7	131	5,967
Freshwater, except Great Lakes.....	38,433	21	786	17,795	Small game.....	10,831	6	132	1,815
Great Lakes.....	3,766	2	46	1,560	Migratory bird.....	5,036	3	42	1,080
Saltwater.....	13,709	8	155	7,243	Other animals.....	2,837	2	47	356

¹ Type of fishing/hunting will not add to the total since each respondent may have reported under more than one category.

² Totals include expenditures not specified by type.

Source: U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.

No. 399. WILDLIFE-ASSOCIATED RECREATION EXPENDITURES, BY TYPE OF ACTIVITY AND EXPENDITURE: 1985

[See headnote, table 398]

TYPE OF EXPENDITURE	EXPENDITURES (mil. dol.)				EXPENDITURE PER PARTICIPANT (dol.)			
	Total	Fishing	Hunting	Non-consumptive ¹	Total	Fishing	Hunting	Non-consumptive ¹
Total ²	³ 55,860	² 28,146	10,059	14,267	³ 397	607	603	106
Food and lodging.....	10,063	5,666	1,884	2,513	72	122	113	19
Transportation.....	7,030	3,730	1,613	1,688	50	80	97	13
Other trip costs.....	4,333	3,885	218	229	31	84	13	2
Licenses, stamps, tags, permits.....	(NA)	579	435	(NA)	8	26	(NA)	
Equipment.....	9,152	2,787	2,750	3,615	65	60	165	27
Auxiliary equipment.....	³ 1,833	482	688	507	³ 13	10	41	4
Special equipment.....	³ 19,924	10,267	1,495	5,234	³ 142	221	90	39

NA Not available. ¹ Observing, photographing, and feeding wildlife. ² Includes expenditures for magazines, membership dues and contributions, and land leasing and ownership not shown separately. ³ Includes expenditures not specified by type of activity.

Source: U.S. Fish and Wildlife Service, 1985 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.

No. 400. HOUSEHOLD PET OWNERSHIP: 1983 AND 1987

[Based on a sample survey of 40,000 households in 1987 and 20,000 in 1983; for details, see source]

ITEM	Unit	DOG		CAT		PET BIRD		HORSE	
		1983	1987	1983	1987	1983	1987	1983	1987
Households owning companion pets ¹	Million	36.1	34.7	24.2	27.7	4.2	5.2	2.4	2.6
Percent of all households.....	Percent	42.5	38.2	28.4	30.5	5.0	5.7	2.8	2.8
Average number owned.....	Number	1.5	1.5	2.2	2.0	2.5	2.5	3.0	2.6
Total companion pet population ¹	Million	55.6	52.4	52.2	54.6	10.4	12.9	7.0	6.6
Households obtaining veterinary care ²	Percent	74	78	47	60	8	8	43	47
Average visits per year.....	Number	1.8	2.4	1.0	1.6	.1	.2	1.4	1.9
Average annual cost.....	Dollars	66.87	82.86	36.83	54.26	(NA)	4.47	(NA)	120.75
Total expenditures.....	Mil. dol.	2,564	3,012	955	1,573	(NA)	26	180	330
PERCENT DISTRIBUTION OF HOUSEHOLDS OWNING PETS									
Annual household income: Under \$10,000.....	Percent	19	14	20	14	21	17	16	14
\$10,000 to \$19,999.....	Percent	53	19	53	20	54	20	53	22
\$20,000 to \$29,999.....	Percent								20
\$30,000 to \$44,999.....	Percent	28	23	27	22	21	21	24	21
\$45,000 and over.....	Percent		26		25	25	24	31	23
Family size: ¹ One person.....	Percent	12	13	15	16	13	14	8	10
Two persons.....	Percent	30	30	30	30	24	24	26	27
Three persons.....	Percent	22	23	20	21	20	20	24	23
Four or more persons.....	Percent	36	34	35	33	43	42	42	40

NA Not available. ¹ As of December for 1987; as of May for 1983. ² During 1987 for 1987; for 1983, between May 1982-1983.

Source: American Veterinary Medical Association, Schaumburg, IL, *The Veterinary Services Market for Companion Animals, July 1983 and August 1986* (copyright).

Boy Scouts and Girl Scouts—Art Performances

235

No. 401. BOY SCOUTS AND GIRL SCOUTS—MEMBERSHIP AND UNITS: 1960 TO 1988

[In thousands. Boy Scouts as of Dec. 31; Girl Scouts as of Sept. 30. Current age requirements for each category are in parentheses. Includes Puerto Rico and outlying areas]

ITEM	1960	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
BOY SCOUTS OF AMERICA												
Membership.....	5,165	6,287	5,318	4,318	4,355	4,542	4,689	4,755	4,845	5,171	5,347	5,377
Boys.....	3,783	4,683	3,933	3,207	3,244	3,425	3,567	3,657	3,755	4,037	4,180	4,233
Tiger cubs (6 yr. old).....	(x)	(x)	(x)	(x)	84	124	145	169	260	291	314	
Cub Scouts (7–10 yr. old).....	1,865	2,436	1,997	1,696	1,643	1,609	1,569	1,493	1,499	1,714	1,819	1,836
Boy Scouts (11–17 yr. old).....	1,647	1,916	1,503	1,064	1,101	1,126	1,116	1,078	1,063	1,042	1,032	1,027
Explorers (14–20 yr. old).....	271	329	434	447	499	606	758	941	1,024	1,021	1,037	1,057
Adults.....	1,382	1,604	1,385	1,110	1,111	1,117	1,122	1,098	1,090	1,134	1,168	1,145
Total units (packs, troops, posts).....	130	157	150	129	130	132	134	135	134	132	131	131
GIRL SCOUTS OF THE U.S.A.												
Membership.....	3,419	3,922	3,234	2,784	2,829	2,819	2,888	2,871	2,802	2,917	2,947	3,052
Girls.....	2,646	3,248	2,723	2,250	2,276	2,247	2,281	2,247	2,172	2,248	2,274	2,345
Daisies (5 yr. old).....	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	61	114	137	162
Brownies (6–8 yr. old).....	(x)	1,259	1,160	1,115	1,110	1,120	1,163	1,172	1,128	1,166	1,167	1,243
Juniors (9–11 yr. old).....	(x)	1,509	1,188	894	916	874	847	801	735	725	705	739
Cadettes (12–14 yr. old).....	(x)	395	301	172	170	169	176	170	151	143	132	144
Seniors (14–17 yr. old).....	(x)	85	74	46	45	41	40	40	40	41	38	43
Adults.....	773	674	511	534	553	572	607	624	630	669	673	707
Total units (troops, groups).....	164	164	159	154	157	160	165	166	166	174	180	189

X. Not applicable. ¹ Both girls and boys are members. ² Beginning 1980, includes girls registered in other categories, not shown separately. ³ Comparable data not available.

Source: Boy Scouts of America, National Council, Irving, TX, *Annual Report*; and Girl Scouts of the United States of America, New York, NY, *Annual Report*.

NO. 402. PARTICIPATION RATES FOR VARIOUS ARTS PERFORMANCES AND LEISURE ACTIVITIES BY SELECTED CHARACTERISTICS: 1985

[Represents percent of population 18 years old and over who participated at least once in the 12 months prior to the survey. Based on a survey conducted by the Bureau of the Census for the National Endowment for the Arts]

CHARACTERISTIC	ATTENDED AT LEAST ONCE						Visited at least once—art museum or gallery	Read—novel, short stories, poetry, or plays
	Jazz performance	Classical music performance	Opera performance	Musical plays	Plays	Ballet performance		
Average.....	10	13	3	17	12	4	22	56
18–24 years old.....	14	11	2	15	11	4	22	57
25–34 years old.....	15	12	2	16	12	5	26	59
35–44 years old.....	10	16	4	21	14	6	27	62
45–54 years old.....	8	15	4	20	13	3	22	57
55–64 years old.....	5	11	3	18	10	4	19	50
65–74 years old.....	3	13	3	13	10	4	16	50
75 years old and over.....	1	10	1	8	7	2	10	48
Male.....	10	11	2	15	11	3	21	48
Female.....	9	14	3	19	12	5	23	63
White.....	9	14	3	18	12	5	23	58
Black.....	13	6	1	9	6	2	11	44
Other races.....	8	15	4	13	8	5	24	50
Northeast.....	8	13	4	20	14	5	21	57
Midwest.....	10	15	1	17	11	4	21	55
South.....	9	10	2	13	10	4	19	51
West.....	12	15	4	19	13	5	30	66
Household income, 1985:								
Under \$5,000.....	8	9	2	10	8	3	16	44
\$5,000–\$9,999.....	7	7	1	8	4	2	12	43
\$10,000–\$14,999.....	6	8	1	11	8	3	15	50
\$15,000–\$24,999.....	8	11	2	12	9	4	19	53
\$25,000–\$49,999.....	11	15	3	22	14	5	28	63
\$50,000 and over.....	10	30	8	37	28	11	45	77
Not ascertained.....	9	12	2	17	11	3	19	56
Education:								
Grade school.....	1	3	1	3	1	1	4	23
Some high school.....	3	3	1	6	4	1	7	37
High school graduate.....	7	7	1	12	6	2	14	52
Some college.....	13	15	3	21	15	6	30	72
College graduate.....	18	29	6	34	26	9	45	78
Graduate school.....	24	41	11	40	36	15	56	80

Source: U.S. National Endowment for the Arts, 1985 Survey of Public Participation in the Arts.

No. 403. PERFORMING ARTS—SELECTED DATA: 1970 TO 1988

[Receipts and expenditures in millions of dollars. For season ending in year shown, except as indicated]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Legitimate theater:											
Broadway shows:											
New productions.....	62	59	67	67	53	50	36	31	33	40	31
Playing weeks ^a	1,047	1,101	1,541	1,545	1,461	1,259	1,119	1,062	1,049	1,031	1,114
Number of tickets sold (1,000).....	(NA)	(NA)	9,380	10,822	10,694	8,102	7,898	7,156	6,527	6,968	8,142
Gross box office receipts.....	53.3	57.4	143.4	194.5	221.2	263.1	226.5	208.0	190.6	207.2	253.4
Road shows:											
Playing weeks ^a	1,024	799	1,351	1,343	1,317	990	1,057	993	983	901	893
Gross box office receipts	48.0	50.9	181.2	218.9	249.5	184.3	206.2	225.9	235.6	224.2	222.9
Opera companies ⁴	648	807	966	1,019	993	1,031	1,051	1,123	1,178	1,224	1,250
Major ^a	35	54	109	127	133	144	154	168	170	174	187
Expenditures.....	36.5	(NA)	133.6	161.6	191.1	212.4	236.7	256.5	270.3	321.1	352.3
Other companies.....	266	335	458	456	416	488	491	576	602	658	654
Workshops ^c	347	418	419	436	444	399	406	379	404	392	409
Opera performances.....	4,779	8,428	9,391	9,683	9,510	10,693	10,421	10,642	11,080	11,794	12,361
Operas performed.....	341	387	497	559	571	590	576	579	660	622	658
Musical performances ⁷	(NA)	(NA)	1,397	2,251	2,233	2,749	2,787	4,983	6,993	7,759	8,826
Musicals performed ⁷	(NA)	(NA)	104	118	122	120	129	242	301	278	296
World premieres.....	17	16	79	88	94	96	101	121	116	129	141
Attendance (mil.).....	4.6	8.0	10.7	11.1	10.1	12.7	13.0	14.1	14.4	16.4	17.7
Symphony orchestras ⁸	1,441	1,463	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572	1,572
College.....	298	300	385	385	385	386	380	371	371	365	350
Community ^a	1,019	1,003	926	926	919	920	937	946	927	936	903
Urban.....	24	41	85	85	94	101	89	89	93	92	103
Metropolitan.....	72	90	115	115	110	98	96	96	107	102	123
Regional.....	(10)	(10)	29	30	34	37	40	40	43	45	57
Major.....	28	29	32	31	30	30	30	30	31	32	36
Concerts.....	6,599	14,171	22,229	19,327	19,204	19,167	19,086	19,969	20,272	20,059	17,774
Attendance (mil.).....	12.7	18.3	22.6	22.8	22.0	22.0	23.2	23.7	25.4	25.1	23.6
Gross income.....	73.3	124.5	246.3	289.8	325.5	348.9	379.0	435.4	480.5	523.6	557.1
Earned income.....	43.1	70.9	141.2	163.3	187.6	201.8	220.2	250.7	282.4	305.9	328.2
Contributed income.....	30.2	53.6	105.1	125.6	137.9	147.1	158.8	184.7	198.1	217.7	228.9
Gross expenses.....	76.4	129.5	252.1	289.3	315.3	352.2	389.8	441.8	491.2	525.4	571.3

NA. Not available. ¹ Source: *Variety*, New York, NY, various June issues (copyright). ² All shows (new productions) and holdovers from previous seasons. ³ Eight performances constitute one playing week. ⁴ Source: Central Opera Service, New York, NY, *Central Opera Service Bulletin*, periodic. ⁵ Companies with budgets of over \$100,000 and issue American Guild of Musical Artists (AGMA) contracts to soloists. ⁶ Workshops are primarily college and university opera groups. ⁷ Covers not-for-profit companies only. ⁸ Source: American Symphony Orchestra League, Inc., Washington, DC. For years ending Aug. 31. Orchestras other than college groups are principally defined by their annual budgets. For 1987 and 1988, community, under \$135,000; urban, \$135,000-\$280,000; metropolitan, \$280,000-\$1,000,000; regional, \$1,000,000-\$3,600,000; and major, over \$3,600,000. Prior to 1987, other budget classifications were in effect. ⁹ Beginning 1980, includes youth and chamber groups with budgets under \$70,000. ¹⁰ Classification began in 1976.

Source: Compiled from sources listed in footnotes.

No. 404. FINANCIAL SUPPORT OF THE ARTS BY PRIVATE CORPORATE BUSINESS—SUMMARY:
1983 TO 1985

[In millions of dollars]

TYPE OF ART CATEGORY	1983	1984	1985	TYPE OF ART CATEGORY	1983	1984	1985
	451.6	482.4	559.0	Historic and cultural preservation projects.....	8.4	9.7	11.3
Direct cash support.....				Libraries.....	4.2	4.8	8.8
Museums.....	99.6	104.5	133.2	Commercial TV and radio, cultural programming.....	6.0	6.5	5.6
Symphony orchestra.....	61.0	66.8	79.8	Public TV and radio, general support.....	7.4	16.5	4.5
Performing arts and cultural facilities.....	82.0	52.0	59.4	Crafts.....	.3	2.3	1.8
Theaters.....	23.0	67.2	49.5	Artist-in-residence programs.....	.6	1.1	1.0
Art funds—general support.....	9.2	28.5	37.9	Poetry and writing.....	.4	1.4	1.0
Other music.....	20.7	25.3	30.2	Video projects (non-commercial).....	.4	.2	.2
Dance.....	18.2	20.7	25.4	Folk art.....	.2	-	-
Public TV and radio, program underwriting.....	14.8	17.9	23.6	Other (excluding commercial activities)	23.7	12.7	38.0
Opera.....	48.0	24.8	22.7				
Films (non-commercial).....	9.7	15.7	13.2				
Arts-in-educator programs.....	13.6	3.8	11.8				

- Represents or rounds to zero.

Source: Business Committee for the Arts, New York, NY, press release. (Data are collected for 3 years, every three years.)

Arts and Humanities

237

NO. 405. ARTS AND HUMANITIES—SELECTED FEDERAL AID PROGRAMS: 1970 TO 1988

[In millions of dollars, except as indicated. For fiscal years ending in year shown, see text, section 9]

TYPE OF FUND AND PROGRAM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
National Endowment for the Arts:										
Funds available ¹	15.7	86.9	186.1	133.4	147.5	169.9	171.7	167.1	170.9	171.1
Program appropriation	6.3	67.3	97.0	103.3	101.7	119.0	118.7	115.7	120.8	122.2
Matching funds ²	2.0	7.5	42.9	14.2	24.9	27.4	29.5	30.0	29.3	32.9
Grants awarded (number)	556	3,071	5,505	5,090	5,174	5,056	4,801	4,484	4,542	4,628
Funds obligated	12.9	81.7	166.4	131.8	127.0	147.4	149.4	146.6	151.4	156.3
Music	2.5	14.9	13.6	14.1	12.9	15.2	15.3	14.6	15.1	15.3
State programs	1.9	14.7	22.1	21.3	21.1	24.6	24.4	23.8	24.6	24.9
Museums	(NA)	10.8	11.2	11.5	10.0	12.5	11.9	11.5	11.5	12.6
Theater	2.8	6.4	8.4	9.6	9.5	10.7	10.6	10.2	10.8	10.7
Dance	1.7	6.1	8.0	8.5	9.1	9.1	9.0	9.0	9.1	9.2
Media arts	.2	5.4	8.4	10.1	9.3	9.5	9.9	12.3	12.9	12.4
Challenge ³	(X)	(X)	50.8	14.4	14.0	18.8	20.7	20.7	20.8	24.8
Visual arts	1.0	3.2	7.3	6.5	5.8	6.6	6.2	5.7	6.2	6.0
Other	2.8	20.1	36.6	35.8	35.1	40.6	41.3	38.8	40.4	40.4
National Endowment for the Humanities:										
Funds available ¹	13.0	86.0	186.2	120.9	123.5	127.3	125.6	121.1	128.4	125.2
Program appropriation	6.1	67.3	100.3	90.4	90.4	97.8	95.2	91.9	95.8	96.7
Matching funds ²	2.0	6.5	38.4	28.8	27.9	29.5	30.4	27.3	28.5	28.6
Grants awarded (number)	542	1,230	2,917	2,143	1,928	2,523	2,241	2,297	2,888	2,113
Funds obligated	10.5	73.1	185.5	115.8	123.3	127.6	125.7	121.1	128.4	125.2
Education programs	4.2	17.1	18.3	13.0	14.7	19.3	17.9	14.8	16.4	16.6
State programs	(X)	(X)	26.0	22.8	24.0	26.0	24.4	24.1	25.0	25.3
Research grants	2.0	13.4	32.0	25.7	23.1	24.1	24.4	21.0	21.7	21.9
Fellowship program	1.7	10.9	18.0	16.5	14.1	15.0	15.3	14.4	15.3	15.3
Challenge ⁴	(X)	(X)	53.5	20.7	21.8	18.3	19.6	16.2	16.5	16.5
General programs	(X)	(X)	(X)	16.2	24.9	24.3	24.1	24.7	25.4	24.9
Preservation ⁵	(X)	(X)	(X)	(X)	(X)	(X)	(X)	4.1	4.1	4.7
National Capital Arts and Cultural Affairs Program	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.9	4.0	(X)
Other	2.6	31.8	37.7	.9	.7	.7	(X)	(X)	(X)	(X)

NA Not available. X Not applicable.

¹ Includes other funds, not shown separately. Excludes administrative funds. Gifts are included through 1980; excluded thereafter.

² Represents Federal funds appropriated only upon receipt or certification by

Endowment of matching non-Federal gifts.

³ Program designed to stimulate new sources and higher levels of giving to institutions for the purpose of guaranteeing long-term stability and financial independence. Program requires a match of at least 3 private dollars to each Federal dollar. Funds for challenge grants are not allocated by program area because they are awarded on a grant-by-grant basis.

⁴ Excludes \$5.2 million reappropriated to challenge grants in 1983.

⁵ Includes reappropriated funds from 1982.

⁶ Excludes National Capital Arts and Cultural Affairs Program.

⁷ Program designed to support projects which preserve and guarantee access to print and non-print media in danger of disintegration or deterioration.

Source: U.S. National Endowment for the Arts, *Annual Report*; and U.S. National Endowment for the Humanities, *Annual Report*.

NO. 406. STATE LEGISLATIVE APPROPRIATIONS FOR STATE ARTS AGENCIES: 1985 TO 1989

[In thousands of dollars, except as indicated. For fiscal years ending in year shown. Fiscal years for most States ended June 30; see text, section 9]

STATE	1985	1987	1988	1989		STATE AND OTHER	1985	1987	1988	1989
				Total	Per capita ¹ (dol.)					
Total	161,413	216,082	242,842	268,331	1.18	NV	124	179	270	.27
AL	1,000	969	1,319	1,476	.36	NH	129	337	451	.44
AK	5,295	2,190	1,275	1,695	3.23	NJ	6,217	13,453	20,101	22,760
AZ	617	1,140	1,323	1,545	.46	NM	700	699	706	.47
AR	796	1,008	1,016	1,021	.43	NY	39,088	48,591	53,564	55,982
CA	10,422	12,589	13,677	14,604	.53	NC	2,921	3,972	4,505	.78
CO	929	1,629	1,041	1,308	.40	ND	175	238	222	.32
CT	1,122	1,666	2,000	2,117	.66	OH	5,785	9,089	9,591	10,024
DE	450	604	686	786	1.22	OK	1,596	1,535	1,679	.82
DC	1,278	2,368	3,544	3,544	5.70	OR	456	518	1,293	.53
FL	9,045	12,710	17,340	20,838	1.73	PA	5,585	7,780	9,780	12,753
GA	1,720	2,688	3,024	3,248	.52	RI	419	600	1,070	1,440
HI	1,592	2,282	3,902	6,747	6.23	SC	1,858	2,772	2,801	.91
ID	125	134	198	339	.34	SD	251	287	330	.48
IL	5,648	8,758	7,581	7,509	.65	TN	719	1,383	1,523	.72
IN	1,450	1,867	1,969	1,970	.36	TX	4,240	2,984	3,383	3,310
IA	492	732	* 729	* 825	.29	UT	1,400	1,626	1,518	1,603
KS	488	561	583	1,073	.43	VT	226	265	350	.83
KY	1,536	1,983	2,032	2,368	.64	VA	1,748	2,980	3,017	3,771
LA	1,133	960	931	728	.16	WA	1,747	1,705	1,704	.39
ME	325	493	515	622	.52	WV	1,849	2,130	1,811	1,783
MD	1,796	4,776	5,157	5,971	1.32	WI	968	1,149	1,276	* 1,881
MA	13,603	18,266	21,148	19,539	3.34	WY	145	172	203	.42
MI	8,817	11,426	12,611	12,426	1.35	Am. Samoa	48	47	30	.45
MN	2,265	2,768	3,030	3,177	.75	GU	215	323	339	2.76
MS	436	412	421	496	.19	No. Marianas	25	40	60	81
MO	3,067	4,194	4,660	4,913	.96	PR	5,853	10,535	8,111	9,834
MT	703	844	730	726	.90	VI	144	104	104	.65
NE	635	583	608	893	.56					

¹ Based on estimated resident population as of July 1, 1988. ² Includes \$250,000 one-time appropriation. ³ Includes \$140,000 one-time lottery funds. ⁴ Includes \$250,000 one-time Governor's Award.

Source: National Assembly of State Arts Agencies, Washington, DC, unpublished data.

Parks, Recreation, and Travel

NO. 407. TRAVEL BY U.S. RESIDENTS BY SELECTED TRIP CHARACTERISTICS: 1983 TO 1988

[In millions. See headnote, table 408]

CHARACTERISTIC	TRIPS						PERSON-TRIPS ¹					
	1983	1984	1985	1986	1987	1988	1983	1984	1985	1986	1987	1988
Total	540.9	528.2	558.4	592.3	636.3	656.1	1,057.8	1,012.0	1,077.6	1,121.5	1,191.1	1,232.5
Purpose:												
Visit friends and relatives ..	181.9	180.5	206.8	214.9	210.5	213.8	384.6	384.6	430.8	442.5	437.1	425.8
Other pleasure	188.6	170.5	177.6	200.3	234.4	241.5	401.4	349.7	376.0	418.9	464.6	502.1
Business or convention	103.6	114.5	133.3	140.0	157.5	155.6	146.4	156.1	185.2	189.0	206.2	211.7
Other.....	65.8	62.7	40.7	37.1	33.9	45.2	125.4	121.6	85.6	71.1	83.2	92.9
Mode of transport:												
Auto, truck, recreation vehicle	396.1	380.9	376.1	405.6	433.7	472.6	839.8	794.0	797.7	832.1	889.4	952.2
Airplane	116.2	118.8	140.5	143.4	160.7	154.6	174.2	174.5	217.3	231.0	239.0	236.6
Other.....	28.6	28.5	41.8	43.2	41.9	28.9	43.8	43.5	62.6	58.4	61.8	41.7
Vacation trip	307.8	333.3	339.8	354.3	366.2	396.2	642.3	689.8	728.7	752.4	775.2	830.9
Weekend trip	225.5	211.4	224.0	252.0	274.4	271.7	485.0	434.9	470.1	513.5	559.4	580.0

¹ A count of times each person (child or adult) goes on a trip.Source: US Travel Data Center, Washington, DC, *National Travel Survey*, annual. (Copyright.)

NO. 408. CHARACTERISTICS OF BUSINESS TRIPS AND PLEASURE TRIPS: 1980 TO 1988

[Represents trips to places 100 miles or more from home by one or more household members traveling together. Based on a monthly telephone survey of 1,500 U.S. adults. For details, see source]

CHARACTERISTIC	Unit	BUSINESS TRIPS					PLEASURE TRIPS				
		1980	1985	1986	1987	1988	1980	1985	1986	1987	1988
Total trips.....	Millions.....	97.1	133.3	140.0	157.5	155.6	342.8	384.4	415.2	444.9	455.3
Average household members on trip.....	Number.....	1.5	1.4	1.4	1.3	1.4	2.2	2.1	2.1	2.0	2.0
Average nights per trip ¹	Nights.....	(NA)	3.6	3.3	3.8	3.1	(NA)	5.6	5.1	5.0	4.6
Average miles per trip ²	Miles.....	(NA)	1,180	1,080	1,190	1,100	(NA)	1,010	970	980	940
Traveled primarily by auto/truck/ RV ³ /rental car	Percent	56	51	52	50	54	80	73	73	74	77
Traveled primarily by air	Percent	42	44	43	43	44	16	21	21	22	18
Used a rental car while on trip	Percent	25	20	19	19	17	7	6	6	7	6
Stayed in a hotel while on trip	Percent	66	62	70	71	67	34	39	39	41	39
Used a travel agent	Percent	21	28	25	23	20	10	13	13	15	11
Also a vacation trip	Percent	10	13	12	11	8	75	80	79	75	80
Male travelers	Percent	(NA)	67	67	68	69	(NA)	48	51	47	50
Female travelers	Percent	(NA)	33	33	32	31	(NA)	52	49	53	50
Household income:											
Less than \$40,000	Percent	(NA)	58	56	53	48	(NA)	73	74	71	70
\$40,000 or more	Percent	(NA)	42	44	47	52	(NA)	27	26	29	30

NA Not available. ¹ Includes no overnight stays. ² U.S. only ³ Recreational vehicle.Source: US Travel Data Center, Washington, DC, *National Travel Survey*, annual. (Copyright.)

NO. 409. DOMESTIC TRAVEL EXPENDITURES, BY STATE: 1987

[Represents U.S. spending on domestic overnight trips and day trips of 100 miles or more away from home. Excludes spending by foreign visitors and by U.S. residents in U.S. territories and abroad]

STATE	Total (mil. dol.)	Share of total (per- cent)	Rank	STATE	Total (mil. dol.)	Share of total (per- cent)	Rank	STATE	Total (mil. dol.)	Share of total (per- cent)	Rank
U.S. total	275,158	100.0	(X)	KS	2,168	.8	31	ND	647	.2	49
AL	2,042	.8	34	LA	2,428	.9	30	OH	7,535	2.7	10
AK	857	.3	45	ME	3,845	1.4	24	OK	2,927	1.1	28
AZ	5,635	2.1	15	MD	2,154	.8	32	OR	2,794	1.0	29
AR	1,909	.7	38	MA	5,322	1.9	18	PA	11,673	4.3	6
CA	35,797	13.0	1	MI	6,721	2.5	13	RI	571	.2	51
CO	5,455	2.0	17	MN	8,620	3.1	8	SC	4,294	1.6	23
CT	3,108	1.1	27	MS	5,551	2.0	16	SD	626	.2	60
DE	725	.3	48	MO	1,331	.5	43	TN	4,565	1.7	20
DC	1,412	.5	40	MT	5,291	1.9	19	TX	15,720	5.7	4
FL	24,340	8.9	2	NE	728	.3	47	UT	2,148	.8	33
GA	5,709	2.1	14	NV	1,359	.5	42	VT	1,576	.6	39
HI	3,301	1.2	25	NH	8,246	3.0	9	VA	6,852	2.5	11
ID	1,081	.4	44	N.J.	2,002	.7	35	WA	4,469	1.8	21
IL	10,609	3.9	7	N.M.	1,918	.7	37	WI	1,432	.5	41
IN	3,289	1.2	26	NY	17,193	6.3	3	WY	4,986	1.8	22
IA	1,996	.7	36	NC	6,742	2.5	12		760	.3	46

X Not applicable.

Source: US Travel Data Center, Washington, DC, *Impact of Travel on State Economies, 1987*. (Copyright.)

NO. 410. BUSINESS RECEIPTS AND EMPLOYMENT OF SELECTED TRAVEL INDUSTRY SECTORS:
1975 TO 1988

YEAR	BUSINESS RECEIPTS (mil. dol.)							EMPLOYMENT (1,000)					
	Travel industry, total	Transportation			Motel, hotel	Eating and drinking places	Amusement and recreation services	Travel industry, total	Transportation		Eating and drinking places	Hotels, motels, and tourist courts	Amusement and recreation services
		Air ¹	Bus	Rail ²					Intercity highway passengers	Air			
1975.....	94,539	10,301	1,172	237	13,002	51,067	18,760	5,228.5	39.9	362.8	3,379.5	849.5	596.8
1980.....	171,785	23,405	1,709	372	26,832	90,058	29,409	6,918.3	37.9	453.4	4,625.8	1,037.7	763.5
1981.....	190,671	25,598	1,809	432	31,572	98,118	33,142	7,102.4	38.1	454.6	4,749.5	1,076.4	783.6
1982.....	199,774	25,488	1,654	429	32,749	104,593	34,661	7,205.6	38.6	443.6	4,831.2	1,092.8	799.2
1983.....	215,523	27,519	1,965	461	35,897	112,495	37,186	7,481.3	35.5	455.2	5,041.8	1,131.1	817.7
1984.....	231,961	31,437	2,035	516	38,917	119,572	39,484	7,938.7	37.3	488.5	5,388.0	1,221.3	803.6
1985.....	245,363	33,343	1,989	544	41,837	125,114	42,536	8,396.4	34.9	522.0	5,709.2	1,289.9	840.4
1986.....	263,033	33,846	1,890	576	45,881	135,308	45,532	8,717.6	33.2	566.7	5,916.2	1,337.8	863.9
1987.....	287,257	37,459	1,777	604	49,612	147,645	50,160	9,091.2	30.9	604.4	6,127.4	1,434.3	894.2
1988, prel.....	309,855	41,654	1,768	699	54,127	157,685	53,922	9,508.4	31.8	648.3	6,361.5	1,538.3	928.6

¹ U.S. certificated carriers in domestic service.² Covers fiscal years October 1 through September 30.Source: U.S. Travel Data Center, Washington, DC, *The 1988-89 Economic Review of Travel in America*. (Copyright.)

NO. 411. INTERNATIONAL TRAVELERS AND EXPENDITURES—SUMMARY: 1970 TO 1988

[For coverage, see tables 412 and 414. Beginning 1984, receipts, payments, and fares not comparable with previous years. See source for details. Minus sign (—) indicates deficit. See also *Historical Statistics, Colonial Times to 1970*, series H 921, 928, 941, and 945.]

YEAR	TRAVEL AND PASSENGER FARE					U.S. net travel and passenger payments (mil. dol.)	U.S. travelers abroad (1,000)	Foreign visitors to the U.S. (1,000)			
	Payments by U.S. travelers		Receipts from foreign visitors								
	Total ¹ (mil. dol.)	Expenditures abroad (mil. dol.)	Total ¹ (mil. dol.)	Travel receipts (mil. dol.)							
1970.....	5,195	3,980	2,708	2,331	—	2,487	5,260	2,288			
1975.....	8,680	6,417	5,464	4,697	—	3,216	6,354	3,674			
1980.....	14,004	10,397	12,650	10,588	—	1,354	8,163	8,200			
1981.....	15,966	11,479	15,488	12,913	—	478	8,040	9,089			
1982.....	17,166	12,394	15,085	12,393	—	2,081	8,510	8,761			
1983.....	19,152	13,149	14,044	10,947	—	5,108	9,628	7,873			
1984.....	28,619	22,709	21,768	17,753	—	6,851	11,755	7,527			
1985.....	31,188	24,517	22,325	17,937	—	8,863	12,766	7,538			
1986.....	32,774	26,000	26,000	20,454	—	6,774	12,118	8,880			
1987.....	36,638	29,215	30,387	23,505	—	6,251	13,711	10,434			
1988, prel.....	39,984	32,112	38,062	29,202	—	1,922	14,529	12,494			

¹ Includes passenger fares not shown separately.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1989, and earlier issues.

NO. 412. U.S. TRAVEL TO FOREIGN COUNTRIES—TRAVELERS AND EXPENDITURES: 1970 TO 1988

[Travelers in thousands; expenditures in millions of dollars. Covers residents of the United States, its territories and possessions. Beginning 1984, expenditure data not comparable with previous years. See source for details. See also *Historical Statistics, Colonial Times to 1970*, series H 921-940.]

ITEM AND AREA	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988, prel.
Total overseas travelers ¹	5,260	8,163	8,040	8,510	9,828	11,765	12,766	12,118	13,711	14,529
Region of destination:										
Europe and Mediterranean ²	2,898	3,934	3,931	4,144	4,780	5,691	6,983	5,829	6,062	7,066
Caribbean and Central America.....	1,663	2,624	2,453	2,637	2,988	3,534	3,640	3,493	4,078	4,310
South America.....	249	594	567	529	535	675	537	640	762	959
Japan.....	450	1,011	1,089	1,200	1,324	760	740	850	904	1,023
Other.....	3,980	10,397	11,479	12,394	13,149	22,709	24,517	26,000	29,215	32,112
Expenditures abroad.....	1,018	1,817	2,070	1,936	1,995	2,228	2,503	3,030	2,949	3,241
Canada ³	778	2,564	2,862	3,324	3,376	3,358	3,280	3,579	3,928	4,720
Total overseas areas ⁴	2,184	6,016	6,547	7,134	7,778	17,123	18,734	19,391	22,338	24,151
Europe and Mediterranean ²	1,425	3,412	3,587	3,787	4,201	7,943	9,317	9,149	10,042	11,248
Caribbean and Central America.....	390	1,134	1,277	1,349	1,428	2,407	2,787	2,768	3,252	3,170
South America.....	90	392	383	380	408	887	626	861	914	1,316
Japan.....	87	185	214	272	276	1,108	1,009	1,321	1,522	1,793
Other.....	182	893	1,086	1,346	1,465	4,778	4,995	5,292	6,608	6,624

¹ Excludes the following: Travel to Canada and Mexico; cruise travelers; military personnel and other Government employees and their dependents stationed abroad, and U.S. citizens residing abroad. ² Beginning with estimates for 1984, includes Eastern Europe and Mediterranean, Asia and Africa included in Other. ³ Beginning with estimate for 1983, passenger fares are excluded. ⁴ Excludes passenger fares.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1989, and earlier issues.

NO. 413. AIR TRAVEL BETWEEN THE UNITED STATES AND FOREIGN COUNTRIES: 1980 TO 1988

[In thousands. Covers passengers on international commercial flights arriving at and departing from U.S. airports. Excludes traffic between U.S. and Canada, border crossers, crewmen, and military personnel. Travelers between U.S. ports in the 50 States, Puerto Rico, Guam, or the Virgin Islands; and any other outlying area are included. Data compiled from flight reports of U.S. Immigration and Naturalization Service. Selection of countries based on minimum of 145,000 arrivals in 1987, except for Greece, which declined from earlier years. For related data, see *Historical Statistics, Colonial Times to 1970*, series C 296-331.]

FLAG OF CARRIER AND COUNTRY	ARRIVALS					DEPARTURES				
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988
Total passengers.....	20,262	24,154	25,608	28,644	31,387	19,256	22,487	23,175	26,664	29,421
Flag of carrier:										
United States.....	10,031	11,797	12,254	14,313	16,492	9,369	10,696	10,711	12,853	14,981
Foreign.....	10,231	12,357	13,354	14,331	14,896	9,886	11,791	12,464	13,811	14,440
Country of embarkation or deembarkation: ¹										
Antigua.....	63	186	138	153	156	57	86	124	134	146
Australia.....	227	277	313	378	431	245	232	281	349	421
Bahamas, The.....	1,123	1,503	2,488	1,828	1,737	1,006	1,151	1,206	1,265	1,318
Barbados.....	135	216	218	238	255	126	204	213	233	259
Belgium.....	242	281	316	227	224	231	249	285	180	186
Bermuda.....	497	434	500	516	476	467	389	396	367	302
Brazil.....	300	352	433	418	458	291	322	397	396	438
China: Taiwan.....	113	206	254	249	282	90	187	219	240	233
Colombia.....	315	279	281	264	215	299	294	270	279	296
Costa Rica.....	111	140	154	160	169	107	130	145	146	164
Denmark.....	267	241	247	302	328	254	254	261	295	306
Dominican Republic.....	468	606	705	817	906	443	528	626	710	818
Ecuador.....	130	120	141	148	156	131	92	105	141	140
France.....	689	955	908	1,181	1,366	635	894	870	1,095	1,309
Grand Cayman.....	121	173	189	222	229	112	161	175	199	200
Greece.....	208	187	86	125	146	190	210	91	129	140
Guatemala.....	185	107	130	161	203	149	116	187	192	249
Haiti.....	133	192	179	190	232	124	169	163	181	225
Hong Kong.....	228	270	304	319	334	152	236	267	270	298
Ireland.....	220	274	300	291	353	212	233	268	261	302
Israel.....	189	294	187	230	226	186	255	236	277	262
Italy.....	537	662	506	665	710	495	660	475	637	667
Jamaica.....	429	707	851	938	914	382	607	778	858	812
Japan.....	1,624	2,435	2,612	3,098	3,748	1,602	2,255	2,420	2,937	3,580
Mexico.....	2,886	2,719	2,843	3,534	3,621	2,886	2,674	2,878	3,456	3,482
Netherlands.....	427	583	589	621	663	409	562	557	607	647
Netherlands Antilles.....	327	407	465	524	610	282	395	416	432	511
New Zealand.....	151	145	182	225	227	145	171	207	284	287
Panama.....	150	180	176	165	152	142	209	201	169	141
Philippines.....	194	145	144	182	242	160	165	177	162	200
Portugal.....	119	129	127	146	162	110	122	111	134	146
South Korea.....	294	390	509	521	503	186	333	423	459	444
Spain.....	312	419	304	389	466	273	397	302	382	445
Switzerland.....	312	452	416	532	597	306	434	416	527	595
United Kingdom.....	2,973	3,460	3,215	3,884	4,289	2,840	3,322	3,083	3,696	4,171
Venezuela.....	533	248	259	329	410	518	245	257	320	381
West Germany.....	1,175	1,582	1,582	1,962	2,145	1,178	1,539	1,569	1,911	2,152
Other.....	1,935	2,198	2,347	2,512	3,046	1,835	2,003	2,119	2,335	2,738

¹ Country where passenger boarded/deboarded a direct flight to/from the U.S.

Source: U.S. Dept. of Transportation, Transportation Systems Center, Cambridge, MA, *U.S. International Air Travel Statistics*, annual.

NO. 414. FOREIGN TRAVEL TO THE U.S.—TRAVELERS AND RECEIPTS: 1970 TO 1988

[Travelers in thousands; receipts in millions of dollars. Includes travelers for business and pleasure, foreigners in transit through the United States, and students; excludes travel by foreign government personnel and foreign businessmen employed in the United States. Travelers from overseas excludes Canada and Mexico. Beginning 1984, receipts and fares not comparable with previous years. See source for details. See also *Historical Statistics, Colonial Times to 1970*, series H 946-951]

AREA OF ORIGIN	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988, prel.
Travelers from overseas.....	2,288	8,200	9,069	8,761	7,873	7,527	7,538	8,860	10,434	12,494
Western Europe ¹	984	3,700	4,170	3,778	3,020	2,981	3,722	4,863	5,762	
Caribbean, Central America.....	484	850	853	907	1,218	996	1,014	1,104	1,241	1,353
South America.....	318	1,200	1,382	1,278	1,055	771	782	944	935	1,013
Japan.....	207	2,450	2,664	2,798	2,580	1,415	1,496	1,681	2,128	2,534
Other.....	295					1,364	1,341	1,409	1,467	1,832
Total receipts.....	2,331	10,588	12,913	12,393	10,947	17,753	17,937	20,454	23,505	29,202
Canada ²	859	2,501	2,672	2,624	2,707	2,812	2,571	2,880	3,252	3,976
Mexico ²	583	2,522	3,775	3,058	1,951	1,905	2,018	1,942	2,040	2,652
U.S. border area.....	520	1,614	2,547	2,308	1,487	1,519	1,595	1,558	1,582	2,092
Western Europe ¹	318	2,192	2,549	2,476	2,157	4,487	4,828	5,853	7,731	9,974
Caribbean, Central America.....	170	423	469	525	884	1,276	1,391	1,610	1,469	1,564
South America.....	164	1,063	1,273	1,269	1,091	2,291	1,975	2,185	1,985	2,072
Japan.....	101	824	949	1,084	1,128	2,208	2,252	3,183	3,941	4,926
Other.....	136	1,063	1,226	1,317	1,239	2,974	2,907	3,012	3,087	4,038
Fares to U.S. carriers ³	377	2,062	2,575	2,692	3,097	3,525	3,844	4,995	6,121	7,865

¹ Beginning 1984, includes Eastern Europe. ² Beginning with estimate for 1983, passenger fares are excluded. ³ Includes fares paid to and from the United States only.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, June 1989, and earlier issues.

No. 415. NONIMMIGRANTS ADMITTED, BY CLASS OF ADMISSION: 1970 TO 1988

[In thousands, except as noted. Except as noted, for fiscal years ending in year shown; see text, section 9. Nonimmigrants are non-resident aliens (non-U.S. citizens) admitted to the U.S. for a temporary period. Included in this group are visitors for business and pleasure, students and their spouses and children, foreign government officials, exchange visitors and their spouses and children, international representatives, treaty traders and investors, representatives of foreign information media, fiancées(ees) of U.S. citizens and their children, officials of the North Atlantic Treaty Organization (NATO) and aliens in transit. Most classes include spouses and unmarried minor (or dependent) children accompanying or following to join the alien. Excluded are border crossers, crewmen, and insular travelers. See also *Historical Statistics, Colonial Times to 1970*, series C 149-157.]

CLASS OF ADMISSION	1970	1976	1983 ¹	1984	1985	1986	1987	1988
Nonimmigrants	4,431.9	7,083.9	9,849.4	9,426.8	9,675.7	10,607.2	12,421.1	14,784.1
Temporary visitors, total	3,345.2	5,587.4	8,532.2	8,218.0	8,405.4	9,279.9	11,019.3	13,196.7
Percent of total	75.5	78.9	86.6	87.2	86.9	87.5	88.7	89.3
For pleasure	3,020.4	5,060.0	6,766.4	6,594.6	6,608.6	7,342.0	8,887.3	10,821.2
For business	324.8	527.4	1,765.8	1,623.4	1,796.8	1,937.9	2,132.0	2,375.6
Returning resident aliens ²	493.5	800.0	(X)	(X)	(X)	(X)	(X)	(X)
Transit aliens ³	231.9	273.0	269.0	238.4	236.5	243.9	264.1	299.1
Foreign government officials ⁴	50.5	68.4	92.6	89.4	90.2	93.7	91.7	98.9
Treaty traders and investors ⁴	19.2	35.0	92.8	90.5	96.5	103.7	114.1	125.6
Students ⁴	107.3	118.0	318.2	256.5	285.5	288.4	288.0	337.9
Representatives to international organizations ⁴	23.8	32.6	58.8	56.6	57.2	59.4	57.3	59.9
Temporary workers and industrial trainees	86.5	67.3	83.2	79.8	87.5	99.1	113.5	133.1
Workers of distinguished merit and ability	11.1	15.6	39.9	42.5	47.3	54.4	65.5	77.9
Other temporary workers	69.3	37.5	29.5	23.4	24.5	28.0	28.9	33.0
Industrial trainees	5.3	3.8	3.0	2.9	3.0	2.9	3.0	2.5
Their spouses and children	.8	10.6	10.8	10.8	12.6	13.7	16.2	19.7
Representatives of foreign information media ⁴	4.7	6.1	16.3	19.1	16.8	16.9	18.4	21.5
Exchange visitors ⁴	66.6	63.4	118.5	120.9	141.2	163.0	183.0	202.9
NATO officials ⁴	2.3	4.0	6.8	7.8	8.3	7.0	7.3	8.5
Fiancées(ees) of U.S. citizens ⁵	.1	6.4	7.2	7.1	7.8	8.1	6.8	6.6
Intracompany transferees ⁴	.4	22.3	104.6	103.8	106.9	108.0	106.8	101.7
Parolees ⁶	(X)	(X)	51.5	47.8	47.5	45.9	63.2	94.9
Refugees	(X)	(X)	62.9	68.5	68.0	51.2	66.8	80.4
Other	(X)	(X)	34.8	23.1	20.3	39.1	20.6	17.3

X Not applicable. ¹ Calendar year. ² For 1970 and 1975, returning resident aliens who had once been counted as immigrants were included with nonimmigrants. Since 1981, data no longer collected. ³ Includes foreign government officials and their spouses and (unmarried minor or dependent) children, in transit. ⁴ Includes spouses and children. ⁵ Includes children of fiancées(ees) of U.S. citizens. ⁶ Aliens allowed to enter the U.S. for a temporary period of time on emergency conditions or when the entry is determined to be in the public interest (e.g., witness in court).

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

No. 416. FOREIGN VISITORS FOR PLEASURE ADMITTED, BY COUNTRY OF LAST RESIDENCE: 1985 TO 1988

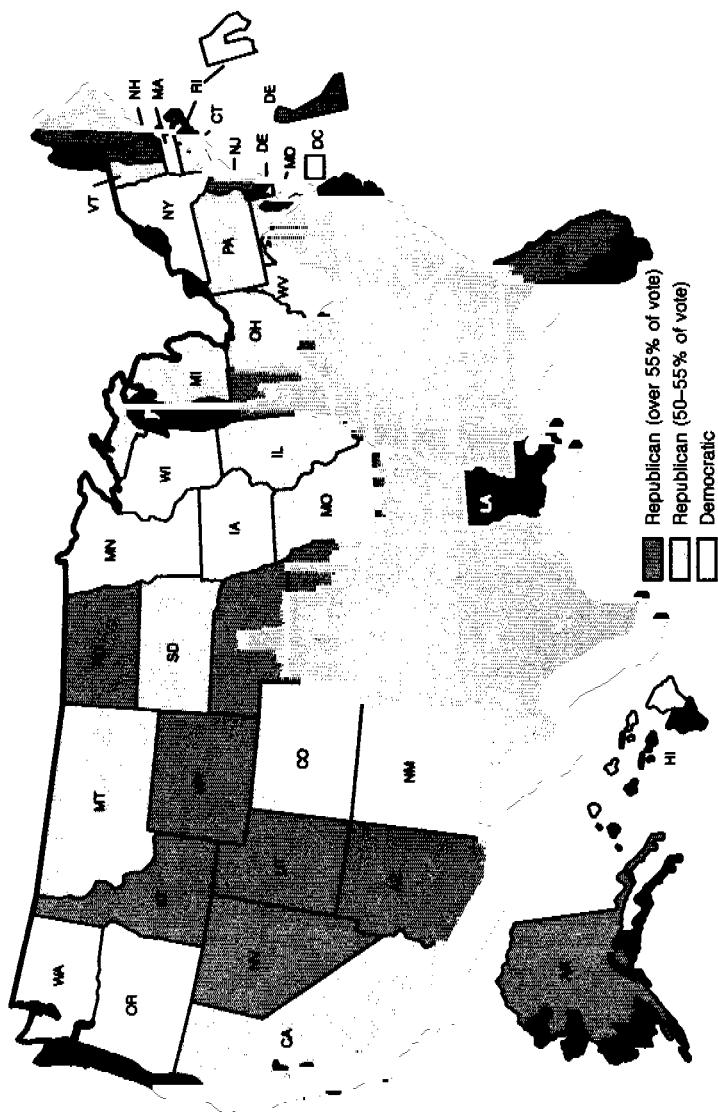
[In thousands. For years ending September 30. See headnote, table 415]

COUNTRY	1985	1986	1987	1988	COUNTRY	1985	1986	1987	1988
Total ¹	6,609	7,342	8,887	10,821	Africa ²	101	110	99	103
Europe ³	2,048	2,626	3,486	4,459	Egypt	16	14	15	16
Austria	34	41	68	85	Nigeria	25	30	16	15
Belgium	39	52	70	82	Oceania ⁴	282	306	330	430
Denmark	36	48	69	73	Australia	195	197	208	265
Finland	24	29	36	50	New Zealand	74	92	106	138
France	226	306	405	473	North America	1,864	1,551	1,776	2,013
Greece	34	38	40	42	Canada	79	70	73	84
Ireland	55	76	81	94	Mexico	773	636	737	820
Italy	155	181	239	271	Caribbean ²	584	612	711	824
Netherlands	82	107	139	176	Bahamas, the	211	230	274	310
Norway	41	54	62	76	Barbados	17	18	23	28
Poland	40	48	44	43	Cayman Islands	18	19	22	27
Soviet Union	2	3	5	19	Dominican Republic	57	63	70	90
Spain	64	75	96	130	Haiti	56	54	56	63
Sweden	71	86	123	168	Jamaica	74	85	99	121
Switzerland	110	133	181	227	Netherlands Antilles	27	25	27	24
United Kingdom	598	799	1,003	1,397	Trinidad and Tobago	71	59	69	77
West Germany	373	479	737	942	Central America ²	228	232	254	285
Asia ²	1,866	1,989	2,414	2,985	Costa Rica	41	44	45	46
China (Mainland China and Taiwan)	83	83	87	105	El Salvador	38	37	38	40
Hong Kong	64	73	73	84	Guatemala	53	50	62	78
India	52	59	66	73	Panama	38	41	44	46
Israel	80	95	104	119	South America ²	606	723	745	796
Japan	1,277	1,381	1,779	2,247	Argentina	66	146	133	98
Korea	26	29	27	35	Brazil	148	192	192	233
Philippines	59	60	63	73	Chile	28	28	31	43
Saudi Arabia	31	25	28	31	Colombia	123	116	115	119
Singapore	23	22	24	30	Ecuador	42	49	53	46
					Peru	44	47	60	63
					Venezuela	122	102	111	137

¹ Includes countries unknown or not reported. ² Includes countries not shown separately.

Source: U.S. Immigration and Naturalization Service, *Statistical Yearbook*, annual.

Figure 8.1
Popular Vote Cast for President-Percent for Leading Party: 1988



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 422.



Section 8 Elections

This section relates primarily to Presidential, congressional, and gubernatorial elections. Also presented are summary tables on congressional legislation, State legislatures, Black, Hispanic, and female officeholders, population of voting age, voter participation, and campaign finances.

Official statistics on Federal elections, collected by the Clerk of the House, are published biennially in *Statistics of the Presidential and Congressional Election* and *Statistics of the Congressional Election*. Federal and State elections data appear also in *America Votes*, a biennial volume of the Elections Research Center, Washington, DC. Federal elections data also appear in the U.S. Congress, *Congressional Directory*, and in official State documents. Data on reported registration and voting for social and economic groups are obtained by the U.S. Bureau of the Census as part of the Current Population Survey (CPS) and are published in *Current Population Reports*, series P-20 (see text, section 1).

Almost all Federal, State, and local governmental units in the United States conduct elections for political offices and other purposes. The conduct of elections is regulated by State laws or, in some cities and counties, by local charter. An exception is that the U.S. Constitution prescribes the basis of representation in Congress and the manner of electing the President, and grants to Congress the right to regulate the times, places, and manner of electing Federal officers. Amendments to the Constitution have prescribed national criteria for voting eligibility. The 15th Amendment, adopted in 1870, gave all citizens the right to vote regardless of race, color, or previous condition of servitude. The 19th Amendment, adopted in 1919, further extended the right to vote to all citizens regardless of sex. The payment of poll taxes as a prerequisite to voting in Federal elections was banned by the 24th Amendment in 1964. In 1971, as a result of the 26th Amendment, eligibility to vote in national elections was extended to all citizens, 18 years old and over.

Presidential election.—The Constitution specifies how the President and Vice President are selected. Each State elects, by popular vote, a group of electors equal in number to its total of members of Congress. The 23d Amendment, adopted in 1961, grants the District of Columbia 3 presidential electors, a number equal to that of the least populous State. Subsequent to the election, the electors meet in their respective States to vote for President and Vice President. Usually, each elector votes for the candidate receiving the most popular votes in his or her State. A majority vote of all electors is necessary to elect the President and Vice President. If no candidate receives a majority, the House of Representatives, with each State having one vote, is empowered to elect the President and Vice President, again, with a majority of votes required.

The 22d Amendment to the Constitution, adopted in 1951, limits presidential tenure to 2 elective terms of 4 years each, or to 1 elective term for any person who, upon succession to the Presidency, has held the office or acted as President for more than 2 years.

Congressional election.—The Constitution provides that Representatives be apportioned among the States according to their population; that a census of population be taken every 10 years as a basis for apportionment; and that each State have at least 1 Representative. At the time of each apportionment, Congress decides what the total number of Representatives will be. Since 1912, the total has been 435, except during 1960 to 1962 when it increased to 437, adding 1 Representative each for Alaska and Hawaii. The total reverted to 435 after reapportionment following the 1960 census. Members are elected for 2-year terms, all terms covering the same period. The District of Columbia, American Samoa, Guam, and the Virgin Islands each elect one nonvoting Delegate and Puerto Rico elects a nonvoting Resident Commissioner.

The Senate is composed of 100 members, 2 from each State, who are elected to serve for a term of 6 years. One-third of the Senate is elected every 2 years. Senators were originally chosen by the State legislatures. The 17th Amendment to the Constitution, adopted in 1913, prescribed that Senators be elected by popular vote.

Voter eligibility and participation.—The Census Bureau publishes estimates of the population of voting age and the percent casting votes in each State for Presidential and congressional elec-

tion years. These voting-age estimates include a number of persons who meet the age requirement but are not eligible to vote, (e.g. aliens and some institutionalized persons). In addition, since 1964, voter participation and voter characteristics data have been collected during November of election years as part of the CPS. These survey data include noncitizens in the voting age population estimates, but exclude members of the Armed Forces and the institutional population.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 417. VOTE CAST FOR PRESIDENT, BY POLITICAL PARTIES: 1920 TO 1988

[Prior to 1960, excludes Alaska and Hawaii; prior to 1964, excludes DC. Vote cast for major party candidates includes the votes of minor parties cast for those candidates. See also *Historical Statistics, Colonial Times to 1970*, series Y 79-83 and Y 135]

YEAR	CANDIDATES FOR PRESIDENT		Total popular vote ¹ (1,000)	VOTE CAST FOR PRESIDENT					
	Democratic	Republican		Democratic		Republican			
				Popular vote		Electoral vote	Popular vote		
				Number (1,000)	Per- cent		Number (1,000)	Per- cent	
1920	Cox	Harding	26,768	9,133	34.1	127	16,153	60.3	404
1924	Davis	Coolidge	29,095	8,387	28.8	136	15,720	54.0	382
1928	Smith	Hoover	36,806	15,008	40.8	87	21,437	58.2	444
1932	F. D. Roosevelt	Hoover	39,758	22,829	57.4	472	15,780	39.6	59
1936	F. D. Roosevelt	Landon	45,654	27,757	60.8	523	16,684	36.5	8
1940	F. D. Roosevelt	Willkie	49,900	27,313	54.7	449	22,348	44.8	82
1944	F. D. Roosevelt	Dewey	47,977	25,613	53.4	432	22,018	45.9	99
1948	Truman	Dewey	48,794	24,179	49.6	303	21,991	45.1	189
1952	Stevenson	Eisenhower	61,551	27,315	44.4	89	33,936	55.1	442
1956	Stevenson	Eisenhower	62,027	26,023	42.0	73	35,590	57.4	457
1960	Kennedy	Nixon	68,838	34,227	49.7	303	34,108	49.5	219
1964	Johnson	Goldwater	70,645	43,130	61.1	486	27,178	38.5	52
1968	Humphrey	Nixon	73,212	31,275	42.7	191	31,765	43.4	301
1972	McGovern	Nixon	77,719	29,170	37.5	17	47,170	60.7	520
1976	Carter	Ford	81,556	40,831	50.1	297	39,148	48.0	240
1980	Carter	Reagan	86,515	35,484	41.0	49	43,904	50.7	489
1984	Mondale	Reagan	92,653	37,577	40.6	13	54,455	58.8	525
1988	Dukakis	Bush	91,595	41,809	45.6	111	48,886	53.4	426

YEAR	VOTE CAST FOR PRESIDENT—Con. LEADING OTHER CANDIDATES	YEAR	VOTE CAST FOR PRESIDENT—Con. LEADING OTHER CANDIDATES—Con.
			LEADING OTHER CANDIDATES
1920	Eugene Debs, Socialist, 915,490. P. P. Christensen, Farmer-Labor, 265,229.	1956	T. Coleman Andrews, States' Rights, 111,178. Eric Hass, Socialist Labor, 44,450.
1924	Robert LaFollette, Progressive, 4,832,532. Herman P. Faris, Prohibition, 56,292.	1960	Eric Hass, Socialist Labor, 47,522. Rutherford Decker, Prohibition, 46,203.
1928	Norman Thomas, Socialist, 265,583. Verne L. Reynolds, Socialist Labor, 21,586.	1964	Eric Hass, Socialist Labor, 45,219. Clifton DeBerry, Socialist Workers, 32,720.
1932	Norman Thomas, Socialist, 884,649. William Z. Foster, Communist, 103,253.	1968	George Wallace, American Independent, 9,906,473. Henning Blomen, Socialist Labor, 52,588.
1936	William Lemke, Union, 892,267. Norman Thomas, Socialist, 187,833.	1972	John Schmitz, American, 1,099,482. Benjamin Spock, People's, 78,756.
1940	Norman Thomas, Socialist, 116,410.	1976	Eugene McCarthy, Independent, 756,691.
1944	Roger Babson, Prohibition, 58,708. Norman Thomas, Socialist, 79,003.	1980	Roger McBride, Libertarian, 173,011. John Anderson, Independent, 5,720,060.
1948	Claude Watson, Prohibition, 74,799. Strom Thurmond, States' Rights, 1,176,125.	1984	Ed Clark, Libertarian, 921,299. David Bergland, Libertarian, 228,314.
1952	Henry Wallace, Progressive, 1,157,326. Vincent Hallinan, Progressive, 140,023. Stuart Hamblen, Prohibition, 72,949.	1988	Lyndon H. LaRouche, Independent, 78,807. Ron Paul, Libertarian, 432,179. Lenora B. Fulani, New Alliance, 217,219.

¹ Includes votes for minor party candidates, independents, unpledged electors, and scattered write-in votes.

Source: Elections Research Center, Washington, DC, *America at the Polls*, 1965, and *America Votes*, biennial, (copyright).

Electoral Vote Cast for President

245

No. 418. ELECTORAL VOTE CAST FOR PRESIDENT, BY MAJOR POLITICAL PARTY—STATES: 1948 TO 1988

[D=Democratic, R=Republican. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 84-134.]

REGION, DIVISION, AND STATE	1948 ¹	1952	1956 ²	1960 ³	1964	1968 ⁴	1972 ⁵	1976 ⁶	1980	1984	1988 ⁷
Democratic...	303	89	73	303	486	191	17	297	49	13	111
Republican...	189	442	457	219	52	301	520	240	489	525	426
Northeast: Democratic...	20	—	—	121	126	102	14	86	4	—	53
Republican	118	133	133	11	24	108	36	118	113	80	29
Midwest: Democratic...	101	—	13	71	149	31	—	58	10	10	29
Republican	54	153	140	82	—	118	145	87	135	127	108
South: Democratic...	117	89	60	101	121	45	3	149	31	3	8
Republican	11	77	105	50	47	77	165	20	138	174	168
West: Democratic...	65	—	—	10	90	13	—	4	4	—	21
Republican	6	79	79	5	82	102	97	98	111	90	90
New England: ME...	R-5	R-5	R-5	R-5	D-4	D-4	R-4	R-4	R-4	R-4	R-4
NH	R-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
VT	R-3	R-3	R-3	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
MA	D-16	R-16	D-16	D-14	D-14	D-14	D-14	D-14	R-14	R-13	D-13
RI	D-4	R-4	D-4	D-4	D-4	R-4	R-4	D-4	R-4	D-4	D-4
CT	R-8	R-8	D-8	D-8	R-8	R-8	R-8	R-8	R-8	R-8	R-8
Middle Atlantic: NY...	R-47	R-45	R-45	D-45	D-43	D-43	R-41	D-41	R-41	R-36	D-36
NJ	R-16	R-16	D-16	D-17	R-17	R-17	R-17	R-17	R-17	R-16	R-16
PA	R-35	R-32	R-32	D-29	D-29	R-27	R-27	D-27	R-27	R-25	R-25
East North Central: OH...	D-25	R-25	R-25	R-25	D-26	D-26	R-26	R-25	D-25	R-23	R-23
IN	R-13	R-13	R-13	D-13	D-13	R-13	R-13	R-13	R-13	R-12	R-12
IL	D-28	R-27	R-27	D-27	D-26	R-26	R-26	R-26	R-26	R-24	R-24
MI	R-19	R-20	R-20	D-20	D-21	R-21	R-21	R-21	R-21	R-20	R-20
WI	D-12	R-12	R-12	D-12	R-12	R-11	D-11	R-11	R-11	D-11	D-11
West North Central: MN...	D-11	R-11	R-11	D-11	D-10	D-10	R-10	D-10	D-10	D-10	D-10
IA	D-10	R-10	R-10	D-9	R-9	R-8	R-8	R-8	R-8	R-8	D-8
MO	D-15	R-13	D-13	D-12	R-12	R-12	R-12	D-12	R-12	R-11	R-11
ND	R-4	R-4	R-4	D-4	R-4	R-3	R-3	R-4	R-4	R-3	R-3
SD	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-3	R-3
NE	R-6	R-6	R-6	R-6	D-5	R-5	R-5	R-5	R-5	R-5	R-5
KS	R-8	R-8	R-8	R-8	D-7	R-7	R-7	R-7	R-7	R-7	R-7
South Atlantic: DE...	R-3	R-3	R-3	D-3	D-3	R-3	R-3	D-3	R-3	R-3	R-3
MD	R-8	R-9	R-9	D-9	D-10	D-10	R-10	D-10	D-10	R-10	R-10
DC	(X)	(X)	(X)	(X)	D-3	D-3	D-3	D-3	D-3	D-3	D-3
VA	D-11	R-12	R-12	D-12	D-12	R-12	R-12	R-11	R-12	R-12	R-12
WV	D-8	D-8	R-8	D-8	D-7	D-7	R-6	D-6	D-6	R-6	D-5
NC	D-14	D-14	D-14	D-14	D-13	*R-12	R-13	D-13	R-13	R-13	R-13
SC	(*)	D-8	D-8	D-8	R-8	R-8	R-8	D-8	R-8	R-8	R-8
GA	D-12	D-12	D-12	D-12	R-12	R-12	(*)	R-12	D-12	R-12	R-12
FL	D-8	R-10	R-10	R-10	D-14	R-14	R-17	D-17	R-17	R-21	R-21
East South Central: KY...	D-11	D-10	R-10	R-10	D-9	R-9	R-9	D-9	R-9	R-9	R-9
TN	D-11	R-11	R-11	D-11	R-11	R-10	D-10	D-10	R-10	R-11	R-11
AL	(*)	D-11	D-10	^a D-5	R-10	(*)	R-9	D-9	R-9	R-9	R-9
MS	(*)	D-8	D-8	(*)	R-7	(*)	R-7	D-7	R-7	R-7	R-7
West South Central: AR...	D-9	D-8	D-8	D-8	D-6	(*)	R-6	D-6	R-6	R-6	R-6
LA	(*)	D-10	R-10	D-10	R-10	(*)	R-10	D-10	R-10	R-10	R-10
OK	D-10	R-8	R-8	^b R-7	D-8	R-8	R-8	R-8	R-8	R-8	R-8
TX	D-23	R-24	R-24	D-24	D-25	D-25	R-26	D-26	R-26	R-29	R-29
Mountain: MT...	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
ID	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-4	R-4
WY	D-3	R-3	R-3	D-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
CO	D-6	R-6	R-6	D-6	D-6	R-6	R-7	R-7	R-8	R-8	R-8
NM	D-4	R-4	R-4	D-4	D-4	R-4	R-4	R-4	R-4	R-5	R-5
AZ	D-4	R-4	R-4	R-4	R-5	R-5	R-6	R-6	R-7	R-7	R-7
UT	D-4	R-4	R-4	R-4	D-4	R-4	R-4	R-4	R-4	R-5	R-5
NV	D-3	R-3	R-3	D-3	D-3	R-3	R-3	R-3	R-3	R-4	R-4
Pacific: WA...	D-8	R-9	R-9	R-9	D-9	D-9	R-9	^c R-8	R-9	R-10	D-10
OR	R-6	R-6	R-6	R-6	D-6	R-6	R-6	R-6	R-6	R-7	D-7
CA	D-25	R-32	R-32	R-32	D-40	R-40	R-45	R-45	R-45	R-47	R-47
AK	(X)	(X)	(X)	R-3	D-3	R-3	R-3	R-3	R-3	R-3	R-3
HI	(X)	(X)	(X)	D-3	D-4	D-4	R-4	D-4	D-4	R-4	D-4

— Represents zero. X Not applicable.

¹ Excludes 39 electoral votes cast for States' Rights Democratic candidates as follows: AL 11; LA 10; MS 9; SC 8; and TN 1. ² Excludes 1 electoral vote cast for Walter B. Jones in Alabama. ³ Excludes 15 electoral votes cast for Harry F. Byrd as follows: AL 6; MS 8; and OK 1. ⁴ Excludes 46 electoral votes cast for George C. Wallace as follows: AL 10; AR 6; GA 12; LA 10; MS 7; NC 1. ⁵ Excludes 1 electoral vote cast for John Hospers in Virginia.

⁶ Excludes 1 electoral vote cast for Ronald Reagan in Washington. ⁷ Excludes 1 electoral vote cast for Lloyd Bentsen for President in West Virginia.

Source: 1948-1972, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, quadrennial; 1976-1988, Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

Elections

NO. 419. POPULAR VOTE CAST FOR PRESIDENT, BY POLITICAL PARTY—STATES: 1980 TO 1988

In thousands, except percent. D=Democratic, R=Republican. Leading party vote refers to the party vote representing either a majority or a plurality for the victorious party in the area shown. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series Y 135-186.

REGION, DIVISION, AND STATE	1980				1984				1988			
	Total ¹	Democratic Party	Re- pub- lican Party	Percent for leading party	Total ¹	Democratic Party	Re- pub- lican Party	Percent for leading party	Total ¹	Democratic Party	Re- pub- lican Party	Percent for leading party
U.S.	86,515	35,484	43,904	R-50.7	92,653	37,577	54,455	R-58.6	91,595	41,809	48,886	R-53.4
Region:												
Northeast.....	19,206	8,019	9,147	R-47.6	20,483	9,046	11,336	R-55.3	19,852	9,889	9,961	R-50.2
Midwest.....	25,178	10,291	12,827	R-50.9	25,441	10,511	14,761	R-58.0	24,663	11,556	12,915	R-52.4
South.....	25,813	11,554	13,118	R-50.8	26,833	10,998	17,699	R-61.4	26,558	12,004	16,327	R-57.2
West.....	16,318	5,620	8,813	R-54.0	17,895	7,022	10,659	R-59.6	18,522	8,560	9,683	R-52.3
N. Eng.	5,467	2,206	2,446	R-44.7	5,614	2,437	3,153	R-56.2	5,730	2,826	2,836	R-49.5
ME.....	523	221	239	R-45.6	553	215	337	R-60.8	555	244	307	R-55.3
NH.....	384	109	222	R-57.7	389	120	267	R-68.6	451	164	282	R-62.4
VT.....	213	82	95	R-44.4	235	96	136	R-57.9	243	116	124	R-51.1
MA.....	2,524	1,054	1,058	R-41.9	2,559	1,240	1,311	R-51.2	2,633	1,401	1,195	R-53.2
RI.....	416	198	155	R-47.7	410	197	212	R-51.7	405	225	178	R-55.6
CT.....	1,406	542	677	R-48.2	1,467	570	891	R-60.7	1,443	677	750	R-52.0
Mid. Atl.	13,739	5,813	6,703	R-48.8	14,870	6,609	8,183	R-55.0	14,121	6,863	7,125	R-50.5
NY.....	6,202	2,728	2,894	R-46.7	6,807	3,120	3,665	R-53.8	6,486	3,348	3,082	R-51.6
NJ.....	2,976	1,147	1,547	R-52.0	3,218	1,261	1,934	R-60.1	3,100	1,320	1,743	R-56.2
PA.....	4,562	1,938	2,262	R-49.6	4,845	2,228	2,584	R-53.3	4,536	2,195	2,300	R-50.7
E. No. Cent.	17,458	7,221	8,825	R-50.5	17,613	7,279	10,213	R-58.0	16,982	7,819	9,038	R-53.2
OH.....	4,284	1,752	2,207	R-51.5	4,548	1,825	2,679	R-58.9	4,394	1,940	2,417	R-55.0
IN.....	2,242	844	1,258	R-56.0	2,233	841	1,377	R-61.7	2,169	861	1,298	R-58.8
IL.....	4,750	1,981	2,358	R-49.6	4,819	2,086	2,707	R-56.2	4,559	2,216	2,311	R-50.7
MI.....	3,910	1,662	1,915	R-49.0	3,802	1,530	2,252	R-59.2	3,669	1,676	1,965	R-53.6
WI.....	2,273	982	1,089	R-47.9	2,212	996	1,199	R-54.2	2,192	1,127	1,047	D-51.4
W. No. Cent.	7,719	3,070	4,002	R-51.8	7,828	3,232	4,548	R-58.1	7,681	3,777	3,877	R-50.5
MN.....	2,052	954	873	R-46.5	2,084	1,036	1,033	R-49.7	2,097	1,109	962	D-52.9
IA.....	1,318	509	676	R-51.3	1,320	606	703	R-53.3	1,226	671	545	D-54.7
MO.....	2,100	931	1,074	R-51.2	2,123	849	1,274	R-60.0	2,094	1,002	1,085	R-51.8
ND.....	302	79	194	R-64.2	309	104	200	R-64.8	297	128	167	R-58.0
SD.....	328	104	198	R-60.5	318	116	200	R-63.0	313	146	165	R-52.8
NE.....	641	167	420	R-65.5	652	188	460	R-70.6	661	259	398	R-60.2
KS.....	980	326	567	R-57.9	1,022	333	677	R-66.3	993	423	554	R-55.8
Sou. Atl.	12,589	5,698	6,198	R-49.2	14,124	5,519	8,565	R-60.6	14,234	5,927	8,207	R-57.7
DE.....	236	106	111	R-47.2	255	102	152	R-59.8	250	109	140	R-55.9
MD.....	1,540	726	681	R-47.1	1,676	788	880	R-52.5	1,714	826	876	R-51.1
DC.....	175	131	24	R-74.8	211	180	29	D-85.4	193	159	28	D-82.6
VA.....	1,866	752	990	R-53.0	2,147	796	1,337	R-62.3	2,192	860	1,309	R-59.7
WV.....	738	367	334	R-49.8	736	328	405	R-55.1	653	341	310	D-52.2
NC.....	1,856	876	915	R-49.3	2,175	824	1,346	R-61.9	2,134	890	1,237	R-58.0
SC.....	894	430	442	R-49.4	969	344	616	R-63.6	986	371	606	R-61.5
GA.....	1,597	891	654	D-55.8	1,776	707	1,069	R-60.2	1,810	715	1,081	R-59.8
FL.....	3,687	1,419	2,047	R-55.5	4,180	1,449	2,730	R-65.3	4,302	1,657	2,619	R-60.9
E. So. Cent.	5,147	2,465	2,518	R-48.9	5,464	2,155	3,267	R-59.8	5,299	2,174	3,055	R-58.0
KY.....	1,295	616	635	R-49.1	1,369	540	822	R-60.0	1,323	580	734	R-55.5
TN.....	1,618	783	798	R-48.7	1,712	712	990	R-57.8	1,636	680	947	R-57.9
AL.....	1,342	637	654	R-48.8	1,442	552	873	R-60.5	1,378	550	816	R-59.2
MS.....	893	429	441	R-49.4	941	352	582	R-61.9	932	364	558	R-59.9
W. So. Cent.	8,078	3,389	4,403	R-54.5	9,244	3,325	5,867	R-63.5	9,054	3,903	5,065	R-55.9
AR.....	838	398	403	R-48.1	884	339	535	R-60.5	828	349	467	R-58.4
LA.....	1,549	708	793	R-51.2	1,707	652	1,037	R-60.8	1,628	717	884	R-54.3
OK.....	1,150	402	696	R-60.5	1,256	385	862	R-68.6	1,171	483	678	R-57.9
TX.....	4,542	1,881	2,511	R-55.3	5,398	1,949	3,433	R-63.6	5,427	2,353	3,037	R-56.0
Mt.	4,346	1,251	2,637	R-60.7	4,736	1,546	3,131	R-66.1	5,014	2,043	2,687	R-57.6
MT.....	364	118	207	R-56.8	384	147	233	R-60.5	366	169	190	R-52.1
ID.....	437	110	291	R-65.5	411	109	298	R-72.4	409	147	254	R-62.1
WY.....	177	49	111	R-62.6	189	53	133	R-70.5	177	67	107	R-60.5
CO.....	1,184	368	652	R-55.1	1,295	455	822	R-63.4	1,372	621	728	R-53.1
NM.....	457	188	251	R-54.9	514	202	307	R-59.7	521	244	270	R-51.9
AZ.....	874	247	530	R-60.6	1,026	334	691	R-66.4	1,172	454	703	R-60.0
UT.....	604	124	440	R-72.8	630	155	469	R-74.5	647	207	428	R-66.2
NV.....	248	67	155	R-62.5	287	92	189	R-65.8	350	133	206	R-58.9
Pac.	11,973	4,969	6,177	R-51.6	13,159	5,476	7,528	R-67.2	13,509	6,517	6,797	R-50.3
WA.....	1,742	650	865	R-49.7	1,884	807	1,052	R-55.8	1,865	934	904	D-50.0
OR.....	1,182	457	571	R-48.3	1,227	536	686	R-55.9	1,202	616	580	D-51.3
CA.....	8,567	3,084	4,525	R-52.7	9,505	3,923	5,467	R-57.5	9,887	4,702	5,055	R-51.1
AK.....	158	42	86	R-54.3	208	62	138	R-66.7	200	73	119	R-59.6
HI.....	303	136	130	D-44.8	336	147	185	R-55.1	354	192	159	D-54.3

¹ Includes other parties.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright.)

Votes Cast in Presidential Preference Primaries, By Party and Leading Candidates: 1988

247

No. 4220. VOTES CAST IN PRESIDENTIAL PREFERENCE PRIMARIES, BY PARTY AND LEADING CANDIDATES: 1988

[Covers only those States with Democratic or Republican presidential primaries]

STATE	Primary date	DEMOCRATIC (1,000)										REPUBLICAN (1,000)						
		Total ¹	Babbitt	Dukakis	Gephardt	Gore	Hart	Jackson	LaRouche	Simon	Total ¹	Bush	Dole	du-Pont	Haig	Kemp	Robertson	
New Hampshire.....	Feb. 16.....	124	6	44	25	8	5	4	21	4	158	59	45	16	(2)	20	4	
South Dakota.....	Feb. 23.....	72	22	31	4	6	4	13	—	3	93	17	52	1	—	18	2	
Vermont.....	Mar. 1.....	51	—	(2)	28	—	—	(8)	(5)	3	48	24	19	1	(2)	2	27	
South Carolina.....	Mar. 5.....	—	(2)	—	—	—	—	—	—	—	195	95	40	—	(2)	—	30	
Alabama.....	Mar. 8.....	406	—	3	30	152	17	—	—	3	24	138	35	(2)	(2)	11	13	
Arkansas.....	Mar. 8.....	498	—	2	53	186	19	85	—	2	68	32	18	7	6	42	96	
Florida.....	Mar. 8.....	1,273	10	3	94	60	186	19	38	—	28	901	560	191	—	23	65	
Georgia.....	Mar. 8.....	623	3	52	183	181	—	—	—	—	1	401	216	95	1	4	14	
Kentucky.....	Mar. 8.....	319	1	59	29	146	12	248	—	8	121	72	28	(2)	—	8	26	
Maryland.....	Mar. 8.....	624	3	96	66	66	175	26	222	2	5	145	84	26	—	12	13	
Maryland.....	Mar. 8.....	531	5	242	42	46	10	153	—	2	17	201	107	65	3	1	12	
Massachusetts.....	Mar. 8.....	713	4	478	73	32	11	133	1	26	241	141	63	4	2	17	11	
Mississippi.....	Mar. 8.....	359	2	30	20	12	14	161	1	2	159	105	27	—	—	5	21	
Missouri.....	Mar. 8.....	528	1	61	305	15	8	106	1	21	400	169	184	—	2	1	14	
North Carolina.....	Mar. 8.....	680	4	138	38	236	16	224	—	8	274	124	107	1	1	11	27	
Oklahoma.....	Mar. 8.....	393	2	66	83	163	14	52	—	1	209	78	73	1	1	11	44	
Rhode Island.....	Mar. 8.....	49	(2)	24	2	2	1	7	—	1	16	10	4	(2)	—	1	1	
Tennessee.....	Mar. 8.....	577	9	47	5	119	5	119	—	3	254	153	55	—	—	—	32	
Texas.....	Mar. 8.....	1,767	12	580	249	358	82	423	9	9	34	1,015	648	141	4	3	51	155
Virginia.....	Mar. 8.....	965	2	90	16	61	6	63	—	6	7	234	125	61	1	1	11	32
Illinois.....	Mar. 15.....	1,501	5	245	35	13	484	13	484	6	635	659	309	5	4	13	59	
Connecticut.....	Mar. 20.....	2,241	2	140	1	19	7	68	—	3	104	74	21	—	3	3	3	
Wisconsin.....	Apr. 5.....	1,015	4	483	8	177	6	286	—	48	359	285	28	2	5	25	25	
New York.....	Apr. 19.....	1,575	—	801	3	158	7	585	—	1	17	(2)	(2)	(2)	(2)	(2)	(2)	
Pennsylvania.....	Apr. 26.....	1,508	—	1,002	7	45	20	111	4	10	871	687	104	—	—	—	79	
Indiana.....	May 3.....	646	—	449	17	22	145	—	13	13	438	352	43	—	—	14	29	
Ohio.....	May 3.....	1,384	—	870	—	30	28	379	6	16	795	644	95	—	—	—	56	
District of Columbia.....	May 3.....	86	15	(2)	15	1	—	—	—	—	69	6	(2)	—	—	—	—	
Nebraska.....	May 10.....	169	—	106	5	3	4	43	(2)	2	204	139	46	—	—	8	16	
West Virginia.....	May 17.....	240	2	254	6	12	9	46	2	5	143	111	16	—	4	10	4	
Oregon.....	May 17.....	389	—	251	7	5	—	148	2	5	274	200	49	—	—	—	21	
Iowa.....	May 24.....	3,51	—	1,936	—	57	—	1,102	25	1	68	240	1,856	289	—	—	—	6
California.....	June 7.....	3,139	—	1,911	—	84	3	2	27	—	2	86	63	17	—	—	—	95
Montana.....	June 7.....	122	—	415	—	18	2	214	3	—	241	241	—	—	—	—	—	
New Jersey.....	June 7.....	654	—	415	—	115	—	53	—	3	89	69	9	—	—	—	5	
New Mexico.....	June 7.....	189	3	115	—	—	—	—	1	—	39	37	—	—	—	—	—	
North Dakota.....	June 14.....	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

¹ Represents zero.

² Less than 50.

³ Includes votes for other candidates, not shown separately.

⁴ No primary held.

Source: Elections Research Center, Washington, DC; America Votes, biennial. (Copyright.)

**NO. 421. VOTE CAST FOR UNITED STATES SENATORS, BY MAJOR POLITICAL PARTY—STATES:
1984 TO 1988**

[In thousands, except percent. Except as noted, excludes elections to fill vacancies for unexpired term]

DIVISION AND STATE	1984				1986				1988			
	Total ¹	Democratic	Republi-can	Per-cent for lead-ing party	Total ¹	Democratic	Republi-can	Per-cent for lead-ing party	Total ¹	Democratic	Republi-can	Per-cent for lead-ing party
N. Eng.:												
ME.....	551	143	404	73.3	(x)	(x)	(x)	(x)	557	453	105	81.2
NH.....	384	157	226	56.7	245	79	154	62.9	(x)	(x)	(x)	
VT.....	(x)	(x)	(x)	(x)	187	124	68	63.2	240	71	163	68.0
MA.....	2,530	1,393	1,137	55.1	(x)	(x)	(x)	(x)	2,806	1,693	884	65.0
RI.....	395	287	108	72.6	(x)	(x)	(x)	(x)	396	181	217	54.6
CT.....	(x)	(x)	(x)	(x)	977	633	340	64.8	1,384	688	678	49.8
Mid. Atl.:												
NY.....	(x)	(x)	(x)	(x)	4,179	1,723	2,378	56.9	6,041	4,049	1,876	67.0
NJ.....	3,096	1,987	1,080	64.2	(x)	(x)	(x)	(x)	2,988	1,600	1,350	53.6
PA.....	(x)	(x)	(x)	(x)	3,378	1,448	1,907	56.4	4,367	1,417	2,902	66.5
E. No. Cent.:												
OH.....	(x)	(x)	(x)	(x)	3,121	1,949	1,172	62.5	4,353	2,480	1,873	57.0
IN.....	(x)	(x)	(x)	(x)	1,546	595	936	60.6	2,099	669	1,431	68.1
IL.....	4,787	2,397	2,308	50.1	3,123	2,034	1,054	65.1	(x)	(x)	(x)	
MI.....	3,701	1,916	1,745	51.8	(x)	(x)	(x)	(x)	3,506	2,117	1,348	60.4
WI.....	(x)	(x)	(x)	(x)	1,483	703	755	50.9	2,168	1,129	1,030	52.1
W. No. Cent.:												
MN.....	2,066	853	1,200	58.1	(x)	(x)	(x)	(x)	2,094	857	1,176	56.2
IA.....	1,293	717	564	55.5	892	299	599	66.0	(x)	(x)	(x)	
MO.....	(x)	(x)	(x)	(x)	1,477	700	778	52.6	2,079	660	1,407	67.7
ND.....	(x)	(x)	(x)	(x)	289	144	142	49.8	289	172	113	59.4
SD.....	316	81	235	74.5	296	153	143	51.6	(x)	(x)	(x)	
NE.....	640	332	307	51.9	(x)	(x)	(x)	(x)	688	378	278	56.7
KS.....	997	212	757	76.0	824	247	577	70.0	(x)	(x)	(x)	
So. Atl.:												
DE.....	246	148	98	60.1	(x)	(x)	(x)	(x)	243	92	151	62.1
MD.....	(x)	(x)	(x)	(x)	1,113	675	437	60.7	1,617	899	618	61.8
VA.....	2,007	601	1,406	70.0	(x)	(x)	(x)	(x)	2,069	1,474	594	71.2
WV.....	722	374	315	51.8	(x)	(x)	(x)	(x)	635	411	224	64.8
NC.....	2,239	1,070	1,157	51.7	1,591	824	768	51.8	(x)	(x)	(x)	
SC.....	965	307	645	66.8	738	466	263	63.1	(x)	(x)	(x)	
GA.....	1,881	1,344	337	79.9	1,225	624	601	50.9	(x)	(x)	(x)	
FL.....	(x)	(x)	(x)	(x)	3,430	1,878	1,552	54.7	4,088	2,017	2,051	50.4
E. So. Cent.:												
KY.....	1,292	640	645	49.9	677	504	173	74.4	(x)	(x)	(x)	
TN.....	1,648	1,001	557	60.7	(x)	(x)	(x)	(x)	1,567	1,020	541	65.1
AL.....	1,371	861	499	62.8	1,212	609	603	50.3	(x)	(x)	(x)	
MS.....	952	372	580	60.9	(x)	(x)	(x)	(x)	947	436	510	53.9
W. So. Cent.:												
AR.....	876	502	374	57.3	695	433	262	62.3	(x)	(x)	(x)	
LA.....	(*)	(*)	(*)	(*)	1,370	724	646	52.8	(x)	(x)	(x)	
OK.....	1,198	906	281	75.6	894	400	493	55.2	(x)	(x)	(x)	
TX.....	5,319	2,203	3,116	58.6	(x)	(x)	(x)	(x)	5,323	3,150	2,129	59.2
MT.:												
MT.....	379	216	154	56.9	(x)	(x)	(x)	(x)	365	176	189	51.9
ID.....	406	106	293	72.2	382	185	197	51.6	(x)	(x)	(x)	
WY.....	187	41	146	78.3	(x)	(x)	(x)	(x)	181	90	91	50.4
CO.....	1,298	449	834	64.2	1,061	529	513	49.9	(x)	(x)	(x)	
NM.....	1,503	141	361	71.9	(x)	(x)	(x)	(x)	509	322	187	63.3
AZ.....	(x)	(x)	(x)	(x)	863	341	522	60.5	1,165	660	478	56.7
UT.....	(x)	(x)	(x)	(x)	435	116	315	72.3	641	203	430	67.1
NV.....	(x)	(x)	(x)	(x)	262	131	117	50.0	350	176	161	50.2
Pac.:												
WA.....	1,213	541	3672	55.4	1,337	677	651	50.7	1,849	904	944	51.1
OR.....	1,215	406	808	66.5	1,043	376	656	63.0	(x)	(x)	(x)	
CA.....	(x)	(x)	(x)	(x)	7,399	3,647	3,542	49.3	9,744	4,287	5,143	52.8
AK.....	206	59	147	71.2	181	80	98	54.0	(x)	(x)	(x)	
HI.....	(x)	(x)	(x)	(x)	329	242	87	73.6	324	248	67	76.6

X. Not applicable. ¹ Includes vote cast for minor parties.

² Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers.

³ 1983 election to fill vacancy caused by death of Senator Jackson.

Vote Cast for Representatives

249

NO. 422. VOTE CAST FOR UNITED STATES REPRESENTATIVES, BY MAJOR POLITICAL PARTIES— STATES: 1984 TO 1988

[In thousands, except percent. In each State, totals represent the sum of votes cast in each Congressional District or votes cast for Representative at Large in States where only one member is elected. In all years there are numerous districts within the State where either the Republican or Democratic party had no candidate. In some States the Republican and Democratic vote includes votes cast for the party candidate by endorsing parties. See also *Historical Statistics, Colonial Times to 1970*, series Y 211-214.]

REGION, DIVISION, AND STATE	1984			1986			1988					
	Total ¹	Democratic	Re-publican	Percent for lead-ing party	Total ¹	Democratic	Re-publican	Percent for lead-ing party	Total ¹	Democratic	Re-publican	Percent for lead-ing party
U.S.²	83,231	43,539	38,956	D-52.3	59,619	32,540	26,532	D-54.6	81,786	43,662	37,175	D-53.4
Region:												
Northeast	19,179	10,116	8,916	D-52.8	12,405	6,820	5,363	D-55.0	17,806	9,490	7,989	D-53.3
Midwest	24,171	12,230	11,813	D-50.6	16,981	6,854	7,968	D-52.7	23,539	12,270	11,205	D-52.1
South ³	22,904	13,226	9,526	D-57.7	16,451	9,819	6,519	D-59.7	22,979	12,951	9,826	D-56.4
West	16,978	7,964	8,703	R-51.3	13,786	6,949	6,680	D-50.4	17,461	8,952	8,155	D-51.3
N. Eng.	5,309	2,622	2,435	D-53.2	3,641	2,122	1,433	D-58.3	5,327	3,086	2,066	D-57.4
ME	542	162	375	R-69.2	422	165	249	R-59.1	555	276	278	R-50.2
NH	373	119	251	R-67.2	241	84	156	R-64.9	429	176	252	R-58.6
VT	226	60	148	R-65.4	189	—	168	R-89.1	240	45	98	R-41.2
MA	2,346	1,618	704	D-69.0	1,503	1,198	250	D-79.7	2,371	1,787	509	D-75.4
RI	390	* 195	* 195	R-50.0	306	130	176	R-57.6	391	140	251	R-64.1
CT	1,432	668	762	R-53.2	980	545	434	D-55.6	1,341	660	677	R-50.5
Mid. Atl.	13,870	7,284	6,481	D-62.6	8,764	4,686	3,930	D-53.6	12,479	6,403	5,923	D-51.3
NY ⁴	6,218	3,255	2,898	D-52.4	3,904	2,132	1,665	D-54.6	5,506	2,950	2,441	D-53.6
NJ	2,902	1,508	1,471	D-50.4	1,504	803	738	D-51.7	2,776	1,336	1,412	R-50.9
PA	4,660	2,531	2,112	D-54.3	3,306	1,783	1,526	D-53.3	4,197	2,117	2,070	D-50.4
E. No. Cent.	16,618	8,417	8,110	D-50.7	11,350	5,969	5,331	D-52.6	16,111	8,380	7,715	D-51.9
OH	4,332	2,134	2,159	R-49.8	3,067	1,512	1,536	R-50.1	4,155	2,087	2,068	D-50.2
IN	2,180	1,022	1,147	R-52.6	1,556	788	756	D-50.7	2,120	1,097	1,023	D-51.7
IL	4,579	2,367	2,204	D-51.7	3,017	1,823	1,393	D-53.8	4,344	2,317	2,023	D-53.3
MI	3,452	1,861	1,567	D-53.9	2,327	1,342	977	D-57.7	3,456	1,824	1,605	D-52.8
WI	2,075	* 1,033	* 1,033	D-49.8	1,383	704	669	D-50.9	2,035	1,035	997	D-50.9
W. No. Cent.	7,553	3,913	3,703	D-50.5	5,631	2,985	2,637	D-53.0	7,429	3,910	3,490	D-52.6
MN	1,975	1,061	902	D-53.7	1,393	832	558	D-59.7	1,969	1,149	810	D-58.3
IA	1,269	595	673	R-53.1	890	426	461	R-51.9	1,189	580	607	R-51.0
MO	2,040	1,130	903	D-55.4	1,430	828	600	D-57.9	2,070	1,148	910	D-55.5
ND	308	243	66	D-78.7	286	216	67	D-75.5	300	213	84	D-70.9
SD	316	181	135	D-57.4	290	171	118	D-59.2	312	224	88	D-71.7
NE	650	168	482	R-74.2	555	197	358	R-64.5	656	230	426	R-64.9
KS	994	435	542	D-54.5	787	313	475	R-60.3	932	367	565	R-60.6
So. Atl. ⁵	11,486	6,414	5,003	D-55.8	8,284	4,981	3,249	D-60.2	12,121	8,860	5,420	D-54.9
DE	243	142	101	D-58.5	161	106	54	D-66.2	235	158	76	D-67.5
MD	1,495	955	536	D-63.9	1,063	669	394	D-62.9	1,561	937	624	D-60.0
DC	162	155	—	D-95.6	127	102	18	D-80.1	171	122	23	D-71.3
VA	1,838	795	1,003	R-54.6	1,043	545	467	D-52.2	1,891	802	1,077	R-57.0
WV	704	429	275	D-60.9	396	299	97	D-75.5	569	437	132	D-76.8
NC	2,158	1,131	1,026	D-52.4	1,573	890	682	D-56.8	1,985	1,108	876	D-55.8
SC	928	471	441	D-50.7	717	453	261	D-63.2	991	550	439	D-55.4
GA	1,521	1,091	430	D-71.7	1,082	773	269	D-72.8	1,672	1,115	557	D-66.7
FL ⁶	2,437	1,245	1,191	D-51.1	2,142	1,154	987	D-53.9	3,047	1,431	1,616	R-53.0
E. So. Cent.	4,522	2,728	1,753	D-80.3	3,375	2,006	1,346	D-69.4	4,611	2,707	1,841	D-58.7
KY	1,168	657	529	D-55.3	630	375	253	D-59.5	1,105	534	564	R-51.1
TN	1,316	726	589	D-55.2	1,105	636	449	D-57.6	1,409	844	536	D-59.9
AL	1,149	822	308	D-71.5	1,116	679	436	D-68.8	1,178	722	432	D-61.3
MS	869	523	327	D-60.2	524	316	208	D-60.3	918	607	308	D-66.1
W. So. Cent.	8,896	4,084	2,770	D-59.2	4,792	2,822	1,924	D-68.9	6,248	3,583	2,565	D-57.3
AR ⁸	463	341	91	D-73.7	686	387	268	D-58.1	606	353	253	D-58.3
LA ⁹	642	402	239	D-62.7	391	288	102	D-73.8	205	89	116	R-56.8
OK ¹⁰	1,111	646	458	D-58.1	725	430	291	D-59.4	767	406	362	D-52.9
TX	4,680	2,695	1,982	D-57.6	3,010	1,717	1,263	D-57.0	4,670	2,736	1,834	D-58.6
MT	4,527	1,872	2,775	R-61.3	3,748	1,591	2,142	R-57.2	4,793	2,062	2,664	R-55.8
MT	371	187	179	D-50.5	318	172	146	D-54.1	365	193	172	D-52.9
ID	405	165	240	R-59.3	376	163	208	R-55.4	407	198	203	R-49.9
WY	188	46	138	R-73.6	180	49	111	R-69.5	178	57	118	R-66.6
CO	1,248	436	780	R-62.5	1,018	450	566	R-55.6	1,315	645	667	R-50.7
NM	500	201	294	R-58.9	386	179	207	R-53.6	449	209	236	R-52.6
AZ	943	520	603	R-63.9	804	260	540	R-67.2	1,125	322	766	R-68.1
UT	601	208	387	D-64.5	429	197	230	R-53.6	609	260	341	R-56.0
NV	271	109	155	R-57.3	257	121	134	R-52.0	344	177	160	D-51.4
Pac.	12,451	6,292	5,927	D-50.5	10,038	5,358	4,538	D-63.4	12,669	6,891	5,492	D-54.4
WA	1,808	997	800	D-55.1	1,295	768	527	D-59.3	1,731	988	743	D-57.1
OR	1,203	655	548	D-54.4	1,032	585	446	D-56.7	1,024	665	358	D-64.9
CA	8,958	4,327	4,424	R-49.4	7,200	3,744	3,328	D-52.0	9,381	4,945	4,174	D-52.7
AK	206	86	114	R-55.0	180	74	102	R-56.5	193	72	121	R-62.5
HI	276	227	41	D-82.5	331	187	135	D-56.4	340	221	97	D-65.1

⁻ Represents zero. ¹ Includes vote cast for minor parties. ² Includes vote cast for non-voting Delegate at Large in District of Columbia. ³ Total vote for Republican candidates was 185,077; for Democratic candidates, 194,942. ⁴ Includes votes cast by other endorsing parties for Democratic and Republican candidates. ⁵ Total vote for Democratic candidates was 1,033,033; for Republican candidates, 1,032,948. ⁶ State law does not require tabulation of votes for unopposed candidates. ⁷ In 1984 Districts 1, 2, 3, 5, 12, 13, and 17 were unopposed; in 1986 Districts 3, 4, 5, 7, 8, 15, and 17 were unopposed; in 1988 Districts 3, 5, 7, 12, 17, and 18 were unopposed. ⁸ In 1984 District 3 was unopposed; in 1986 District 1 was unopposed. ⁹ 1984 data are for September open primary because there were no general election runoffs. 1986 data are for general election runoffs in two districts. 1988 open primary totals—total, 755,680; Democratic, 599,291; Republican, 148,007. 1988 data are for a general election runoff in one district. 1988 open primary totals—total, 550,370; Democratic, 337,724; Republican, 212,646.

¹⁰ In 1986 District 6 was unopposed; in 1988 Districts 3 and 4 were unopposed.

**NO. 423. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—
CONGRESSIONAL DISTRICTS: 1986**

[In some States the Democratic and Republican vote includes votes cast for the party candidate by endorsing parties]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		
		Name	Percent of total	Name	Percent of total			Name	Percent of total	Name	Percent of total	
AL	1,178	(x) Tyson	(x)	(x) Callahan	59	CO	1,315	(x) Schroeder	(x)	(x) Wood	(x)	
1st.....	194	128	(¹)	121	94	1st.....	192	70	70	30	30	
2d.....	128	122	Nichols	96	(¹)	2d.....	235	63	Bath	37	37	
3d.....	137	Bevill	96	(¹)	(¹)	3d.....	217	78	Zartman	22	22	
4th.....	187	Flippo	64	McDonald	35	4th.....	214	27	Brown	73	73	
5th.....	209	Erdreich	67	Caddis	33	5th.....	242	25	Henley	75	75	
6th.....	201	Harris	68	Bacon	32	6th.....	217	36	Schaefer	63	63	
AK	193	Gruenstein	37	Young	63	CT	1,341	(x) Gejden	(x)	(x) Robles	23	
AZ	1,125	(x) Fillmore	(x)	Rhodes	72	1st.....	228	64	Carberry	36	36	
1st.....	256	Udall	73	Sweeney	27	2d.....	225	67	Pattion	34	34	
2d.....	136	Moss	29	Stump	69	3d.....	206	27	Shays	72	72	
3d.....	237	(¹)	(¹)	Kyl	87	4th.....	222	26	Rowland	74	74	
4th.....	243	Belcher	32	Colbe	68	5th.....	237	33	Johnson	66	66	
AR	806	(x) Alexander	(x)	(x)	(x)	DE	235	Carper	68	Krapf	33	
1st.....	(NA)	Robinson	84	Carpenter	17	FL	3,047	(x) Hutto	(x)	(x)	(x)	
2d.....	202	Stewart	25	Hammer-schmidt	75	1st.....	213	67	Armbruster	33	33	
3d.....	216	(¹)	(¹)	Bell	31	2d.....	135	100	(¹)	(¹)	(¹)	
4th.....	187	Anthony	69	(¹)	(¹)	3d.....	(NA)	50	Jamee	50	50	
CA	9,381	(x) Bosco	(x)	Vanderbilt	28	4th.....	250	(¹)	McCullum	(NA)	(NA)	
1st.....	254	Mayer	63	Herger	59	5th.....	255	47	Stearns	54	54	
2d.....	236	Matsu	71	Landowski	29	6th.....	(NA)	(NA)	(¹)	(¹)	(¹)	
3d.....	258	Fazio	99	(¹)	(¹)	7th.....	232	27	Young	73	73	
4th.....	182	Pelosi	76	O'Neill	19	8th.....	224	(¹)	Bilirakis	100	100	
5th.....	175	Boxer	73	Steinmetz	27	9th.....	213	27	Ireland	74	74	
6th.....	241	Miller	68	Last	32	10th.....	277	61	Tolley	39	39	
7th.....	248	Dellums	67	Cuddihy	31	11th.....	(NA)	(¹)	Lewis	(NA)	(NA)	
8th.....	245	Stark	73	Hertz	27	12th.....	325	29	Goss	71	71	
9th.....	210	Edwards	86	(¹)	(¹)	13th.....	315	55	Adams	45	45	
10th.....	165	Lantos	71	Quraishi	24	14th.....	200	34	Shaw	66	66	
11th.....	205	Eshoo	46	Campbell	52	15th.....	220	69	Smith, J.	31	31	
12th.....	264	Mineta	67	Sommer	30	16th.....	(NA)	(¹)	(¹)	(¹)	(¹)	
13th.....	215	Malberg	37	Shumway	63	17th.....	187	Pepper	(NA)	(¹)	(¹)	
14th.....	278	Coelho	70	Hanner	28	18th.....	(NA)	Fascell	72	Roche	28	
15th.....	170	Panetta	79	Monteith	21	19th.....	187	(¹)	teau	(¹)	(¹)	
16th.....	226	Lavery	29	Pashayev	72	GA	1,672	(x)	(x)	(x)	(x)	
17th.....	181	Lehman	70	Linn	30	1st.....	141	67	Meredith	33	33	
18th.....	180	Hart	49	Lagomarsino	50	2d.....	138	62	Hudgens	38	38	
19th.....	231	(¹)	(¹)	(¹)	(¹)	3d.....	98	Ray	100	(¹)	(¹)	
20th.....	229	Reid	27	Thomas	71	4th.....	246	60	Swindall	40	40	
21st.....	263	Stevens	29	Gallely	69	5th.....	173	78	Tibbs	22	22	
22d.....	237	Simmons	26	Moorehead	70	6th.....	187	41	Gingrich	59	59	
23d.....	233	Beilenson	64	Salomon	33	7th.....	208	65	Lamott	35	35	
24th.....	155	Maxwan	72	Cowles	24	8th.....	103	100	(¹)	(¹)	(¹)	
25th.....	100	Royer	86	(¹)	(¹)	9th.....	194	63	Jenkins	37	37	
26th.....	180	Berman	70	Broderson	30	10th.....	185	64	Barnard	36	36	
27th.....	220	Dixon	68	Galbraith	30	HI	340	(x)	(x)	(x)	(x)	
28th.....	144	Hawkins	76	Adams	20	1st.....	177	43	Bittnerman	55	55	
29th.....	106	Martinez	63	France	14	2d.....	183	89	Saliki	(¹)	(¹)	
30th.....	121	Daly	60	Ramirez	36	3d.....	205	(¹)	Akaka	(¹)	(¹)	
31st.....	141	Dymally	72	May	26	4d.....	207	(x)	(x)	(x)	(x)	
32d.....	171	Anderson	67	Kahn	30	5d.....	202	34	Givens	Craig	66	
33d.....	219	Gentry	26	Dreier	69	6d.....	202	63	Watkins	34	34	
34th.....	146	Torres	63	Lewis	70	7d.....	212	62	Stallings	(x)	(x)	
35th.....	257	Sweeney	28	3d.....	212	50	3d.....	171	96	Hayes	4	4
36th.....	192	Brown	54	4d.....	167	83	Savage	83	Evans	Hespel	17	
37th.....	271	Pearson	33	Stark	43	5d.....	182	62	McCarthy	38	38	
38th.....	147	Yudelson	36	McCandless	64	6d.....	153	50	Davis	50	50	
39th.....	229	Marquis	23	Dorman	60	7d.....	208	61	Holowinski	39	39	
40th.....	270	Lenney	30	Danne-meyer	74	8d.....	135	26	Andrie	26	33	
41st.....	286	Kripke	31	Loweray	66	9d.....	144	28	Hyde	28	73	
42d.....	239	Kim-brough	33	Rohrabacher	64	10d.....	204	65	Friedman	65	36	
43d.....	283	Greenebaum	26	Packard	72	11th.....	221	25	Annunzio	Leonardi	75	
44th.....	152	Bates	60	Butterfield	37	12th.....	144	30	Craig	Fawell	70	
45th.....	225	Lepiscopo	24	Hunter	74	13th.....	249	(¹)	(¹)	(¹)	(¹)	

See footnotes at end of table.

Vote Cast for Representatives

251

**NO. 423. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—
CONGRESSIONAL DISTRICTS: 1988—Continued**

[See headnote, p. 250]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Per- cent of total	Name	Per- cent of total			Name	Per- cent of total	Name	Per- cent of total
IL—Con.											
14th.....	219	Youhanieie.....	26	Hastert.....	74	4th.....	241	Frank.....	70	Tucker.....	30
15th.....	195	Curl.....	28	Madigan.....	72	5th.....	216	Atkins.....	84	(1).....	(1)
16th.....	201	Mahan.....	36	Martin.....	64	6th.....	255	Mavroules.....	70	McCarthy.....	30
17th.....	204	Evans.....	65	Stewart.....	35	7th.....	189	Markey.....	100	(1).....	(1)
18th.....	209	Stephens.....	45	Michel.....	55	8th.....	206	Kennedy.....	80	Fiscus.....	20
19th.....	207	Bruce.....	64	Kerans.....	36	9th.....	161	Moakley.....	100	(1).....	(1)
20th.....	223	Durbin.....	69	Jurgens.....	31	10th.....	281	Studs.....	67	Bryan.....	33
21st.....	201	Costello.....	53	Geffner.....	47	11th.....	210	Donnelly.....	81	Gilligan.....	19
22d.....	215	Poshard.....	65	Kelley.....	35	MI.....	3,458	(X).....	(X)	(X).....	(X)
IN.....	2,120	(X).....	(X)	(X).....	(X)	1st.....	140	Conyers.....	91	Ashe.....	8
1st.....	179	Visclosky.....	77	Crum- packer.....	23	2d.....	220	Pollack.....	45	Pursell.....	55
2d.....	220	Sharp.....	53	Pence.....	47	3d.....	196	Wolpe.....	57	Alligier.....	43
3d.....	214	Ward.....	46	Hier.....	54	4th.....	187	Rivers.....	29	Upton.....	71
4th.....	214	Long.....	38	Coats.....	62	5th.....	229	Catchick.....	27	Henry.....	73
5th.....	206	Jontz.....	56	Williams.....	44	6th.....	205	Carr.....	59	Schultz.....	40
6th.....	264	Holland.....	27	Burton.....	73	7th.....	199	Kildee.....	76	Coad.....	24
7th.....	211	Waterfill.....	38	Myers.....	62	8th.....	194	Traxler.....	72	Buhl.....	28
8th.....	229	McClos- key.....	62	Myers.....	38	9th.....	215	Garrow.....	30	Vander.....	2
9th.....	208	Hamilton.....	71	Coates.....	29	10th.....	210	Forbes.....	26	Jagt.....	70
10th.....	175	Jacobs.....	61	Cummings.....	40	11th.....	216	Irwin.....	40	Schuette.....	73
IA.....	1,189	(X).....	(X)	(X).....	(X)	12th.....	202	Bonior.....	54	Davis.....	60
1st.....	186	Gluba.....	38	Leach.....	61	13th.....	115	Crockett.....	87	Carl.....	46
2d.....	200	Tabor.....	43	Tauke.....	57	14th.....	178	Hertel.....	63	Savage.....	12
3d.....	204	Nagle.....	63	Redfern.....	37	15th.....	164	Ford.....	64	McNealy.....	36
4th.....	219	Smith.....	72	Lunde.....	28	16th.....	136	Dingell.....	97	Adkins.....	35
5th.....	184	Freund.....	36	Lightfoot.....	64	17th.....	193	Levin.....	70	Dingley.....	29
6th.....	195	O'Brien.....	36	Grandy.....	64	18th.....	257	Kohut.....	22	Broomfield.....	76
KS.....	932	(X).....	(X)	(X).....	(X)	10th.....	210	Forbes.....	26	Stange- land.....	55
1st.....	169	(1).....	(1)	Roberts.....	100	11th.....	216	Irwin.....	40	Shuster.....	26
2d.....	185	Slattery.....	73	Meinhardt.....	27	12th.....	202	Perry.....	54	Collins.....	44
3d.....	204	Kunst.....	26	Meyers.....	74	13th.....	115	Crook.....	87	Smith.....	55
4th.....	192	Glickman.....	64	Thompson.....	36	14th.....	178	Hertel.....	63	Frenzel.....	68
5th.....	182	Barnes.....	30	Whittaker.....	70	15th.....	164	Ford.....	64	Mailand.....	27
KY.....	1,105	(X).....	(X)	(X).....	(X)	16th.....	136	Espy.....	65	Gilbertson.....	25
1st.....	123	Hubbard.....	95	(1).....	(1)	17th.....	193	Sikorski.....	65	Ploetz.....	34
2d.....	152	Natcher.....	61	Tori.....	39	18th.....	222	Hanson.....	45	Stange- land.....	55
3d.....	189	Mazzoli.....	70	Dunnigan.....	30	8th.....	222	Oberstar.....	75	Shuster.....	26
4th.....	196	Bellies.....	26	Bunning.....	74	9th.....	918	(X).....	(X)	(X).....	(X)
5th.....	105	(1).....	(1)	Rogers.....	100	1st.....	176	Whitten.....	78	Bush.....	22
6th.....	174	Patton.....	26	Hopkins.....	74	2d.....	174	Espy.....	65	Coleman.....	34
7th.....	165	Perkins.....	59	Scott.....	41	3d.....	185	Montgom- ery.....	89	Bourland.....	11
LA.....	(NA)	(X).....	(X)	(X).....	(X)	4th.....	201	Parker.....	55	Collins.....	44
1st.....	(X)	(X).....	(X)	Living- ston.....	(X)	5th.....	182	Taylor.....	45	Smith.....	55
2d.....	(X)	Boggs.....	(X)	(X).....	(X)	MO.....	2,070	(X).....	(X)	(X).....	(X)
3d.....	(X)	Tauzin.....	(X)	(X).....	(X)	1st.....	197	Clay.....	72	Clay.....	27
4th.....	(X)	(X).....	(X)	McCrary.....	(X)	2d.....	281	Feigen- baum.....	33	Buechner.....	66
5th.....	(X)	Huckaby.....	(X)	(X).....	(X)	3d.....	239	Gephart.....	63	Hearne.....	36
6th.....	(X)	(X).....	(X)	Baker.....	(X)	4th.....	232	Skelton.....	72	Everly.....	28
7th.....	(X)	Hayes.....	(X)	(X).....	(X)	5th.....	212	Wheat.....	70	Lobb.....	29
8th.....	205	Williams.....	43	Holloway.....	57	6th.....	229	Hughes.....	41	Coleman.....	59
ME.....	555	(X).....	(X)	(X).....	(X)	7th.....	241	Bacon.....	46	Hancock.....	53
1st.....	302	Brennan.....	63	O'Meara.....	37	8th.....	202	Cryts.....	42	Emerson.....	58
2d.....	253	Hayes.....	34	Snowe.....	66	9th.....	237	Volkmer.....	68	Dudley.....	32
MD.....	1,561	(X).....	(X)	(X).....	(X)	MT.....	365	(X).....	(X)	(X).....	(X)
1st.....	191	Dyson.....	50	Gilcrest.....	50	1st.....	190	Williams.....	61	Fenlon.....	39
2d.....	221	Barten- felder.....	29	Bentley.....	72	2d.....	176	O'Brien.....	45	Marlenee.....	56
3d.....	184	Cardin.....	73	Pierpont.....	27	NE.....	656	(X).....	(X)	(X).....	(X)
4th.....	188	McMillen.....	68	McClana- han.....	32	1st.....	219	Jones.....	33	Bereuter.....	67
5th.....	163	Hoyer.....	79	Sellner.....	21	2d.....	222	Hoagland.....	51	Schenken.....	49
6th.....	221	Byron.....	75	Halsey.....	25	3d.....	216	Racek.....	21	Smith.....	79
7th.....	118	Mfume.....	100	(1).....	(1)	4th.....	344	(X).....	(X)	(X).....	(X)
8th.....	275	Franchot.....	37	Morella.....	63	1st.....	159	Bliley.....	64	Lusk.....	34
MA.....	2,371	(X).....	(X)	(X).....	(X)	2d.....	185	Spoo.....	41	Vucano- vich.....	57
1st.....	225	Arden.....	17	Conte.....	83	NH.....	429	(X).....	(X)	(X).....	(X)
2d.....	195	Neal.....	80	(1).....	(1)	1st.....	219	Keefe.....	40	Smith.....	60
3d.....	191	Early.....	100	(1).....	(1)	2d.....	211	Donchess.....	43	Douglas.....	57

See footnotes at end of table.

Elections

NO. 423. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY—
CONGRESSIONAL DISTRICTS: 1988—Continued

[See headnote, p. 250]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Percent of total	Name	Percent of total			Name	Percent of total	Name	Percent of total
N.J.	2,778	(x) Florio	(x)	(x) Cristaudo	(x)	OH	4,155	(x) Lukas	(x)	(x) Chabot	(x)
1st.	203	70	30	205	33	1st.	208	57	57	44	44
2d.	205	Hughes	66	Conover	33	2d.	212	212	28	Gradison	72
3d.	227	Pallone	52	Azzolina	47	3d.	185	77	77	Crutcher	23
4th.	238	Holland	33	Smith	68	4th.	161	(1)	100	Oxley	100
5th.	232	Monaco	24	Roukema	76	5th.	204	Murray	39	Gilmor	81
6th.	197	Dwyer	61	Sica	38	6th.	205	Roberts	26	McEwen	74
7th.	206	Hely	25	Rinaldo	75	7th.	193	Schrie	26	DeWine	74
8th.	98	Roe	100	(1)	(1)	8th.	203	Griffin	24	Lukens	76
9th.	211	Tornicelli	67	Lane	32	9th.	184	Kaptur	81	Hawkins	19
10th.	109	Payne	77	Webb	13	10th.	201	Buchanan	28	Miller	72
11th.	219	Shaw	30	Gallo	71	11th.	203	Eckart	62	Mueller	39
12th.	240	Weinstein	30	Courter	69	12th.	196	Brown	21	Kasich	79
13th.	241	Smith	31	Saxton	70	13th.	196	Pease	70	Brown	30
14th.	154	Guarini	67	Theeseling	31	14th.	189	Sawyer	75	Lang	25
N.M.	449	(x)	(x)	(x)	(x)	15th.	196	Froehlich	25	Wylie	75
1st.	178	Udall	47	Schiff	51	16th.	202	Gravely	21	Regula	79
2d.	100	(1)	(1)	Sheen	100	17th.	210	Traficant	77	Lenz	23
3d.	171	Richardson	73	Salazar	27	18th.	197	Applegate	77	Abraham	23
NY	5,506	(x)	(x)	(x)	(x)	19th.	238	Feighan	71	Roberts	30
1st.	208	Hoch	51	Romaine	49	20th.	178	Oakar	83	Sajna	17
2d.	175	brueckner	62	Cardinio	38	21st.	173	Stokes	86	Roski	14
3d.	224	Downey	57	Previdl	41	OK	787	(x)	(x)	(x)	(x)
4th.	215	Mrazek	28	Lent	70	1st.	197	Glassco	47	Inhofe	53
5th.	207	Goban	33	McGrath	65	2d.	210	Synar	65	Phillips	35
6th.	110	Kelly	85	(1)	(1)	3d.	(NA)	Watkins	(NA)	(1)	(1)
7th.	93	Flake	100	(1)	(1)	4th.	(NA)	McCurdy	(NA)	(1)	(1)
8th.	100	Ackerman	100	(1)	(1)	5th.	193	Montgomery	28	Edwards	72
9th.	73	Scheuer	100	(1)	(1)	6th.	168	English	73	Brown	27
10th.	136	Manton	78	Popielarski	18	OR	1,024	(x)	(x)	(x)	(x)
11th.	83	Schumer	89	Hussain	9	1st.	259	AcuCoin	70	Molder	30
12th.	80	Towns	93	Augustine	7	2d.	200	Tuttle	37	Smith	83
13th.	109	Owens	75	Curci	25	3d.	192	Wyden	99	(1)	(1)
14th.	157	Solarz	37	Molinari	63	4th.	151	DeFazio	72	Howard	28
15th.	175	O'Donovan	37	Green	61	5th.	222	Kopetski	50	Smith	50
16th.	111	Rangel	97	(1)	(1)	PA	4,197	(x)	(x)	(x)	(x)
17th.	186	Weiss	84	Albert	16	1st.	168	Foglietta	76	O'Brien	24
18th.	83	Garcia	91	Brown	7	2d.	197	Gray	94	Harsch	6
19th.	138	Engel	56	Blaggi	27	3d.	214	Borski	63	Matthews	37
20th.	203	Lowey	50	DioGuardi	48	4th.	178	Kolter	70	Johnston	30
21st.	202	Grunberger	24	Fish	75	5th.	195	Hadley	22	Schulze	78
22d.	204	Burlingham	27	Gilman	71	6th.	181	Yatron	63	Erwin	36
23d.	235	McNulty	62	Bakal	38	7th.	229	Landau	32	Weldon	68
24th.	225	Baye	28	Solomon	72	8th.	226	Kostmayer	57	Howard	42
25th.	130	(1)	(1)	Boehlert	100	9th.	159	(1)	(1)	Shuster	100
26th.	175	Ravenroscroft	25	Martin	75	10th.	191	Cordaro	27	McDade	73
27th.	217	Pooler	42	Walsh	58	11th.	121	Kanjorski	100	(1)	(1)
28th.	152	McHugh	93	(1)	(1)	12th.	133	Murtha	100	(1)	(1)
29th.	193	Vogel	27	Horton	69	13th.	229	Tomski	33	Coughlin	67
30th.	226	Slaughter	57	Bouchard	40	14th.	172	Coyne	70	Caliguri	21
31st.	220	Swarts	47	Paxton	53	15th.	188	Rehman	43	Ritter	58
32d.	184	LaFalce	73	Everett	27	16th.	185	Guyll	26	Walker	74
33d.	140	Nowak	100	(1)	(1)	17th.	168	(1)	(1)	Gekas	100
34th.	136	(1)	(1)	Houghton	97	18th.	218	Walgren	63	Newman	37
NC	1,985	(x)	(x)	(x)	(x)	19th.	188	Ritche	23	Goodling	77
1st.	181	Jones	65	Moye	35	20th.	140	Gaydos	99	(1)	(1)
2d.	129	Valentine	100	(1)	(1)	21st.	180	Elder	21	Ridge	79
3d.	95	Lancaster	100	(1)	(1)	22d.	170	Murphy	72	Hodgkiss	28
4th.	227	Price	58	Fetzer	42	23d.	170	Shakespeare	37	Clinger	62
5th.	210	Neal	53	Gray	47	RI	391	(x)	(x)	(x)	(x)
6th.	187	Gilmore	38	Coble	63	1st.	190	Germain	44	Machtle	56
7th.	152	Rose	67	Thompson	33	2d.	201	Morgan	28	Schnieder	72
8th.	193	Heiner	52	Blanton	49	SC	991	(x)	(x)	(x)	(x)
9th.	211	Sholander	34	McMillan	66	1st.	159	Illman	36	Ravenel	64
10th.	184	Rhyne	39	Ballenger	61	2d.	180	Leventis	47	Spence	53
11th.	215	Clarke	50	Taylor	50	3d.	166	Derrick	54	Jordan	46
ND	300	Dorgan	71	Syndess	28	4th.	173	Patterson	52	White	46
						5th.	155	Spratt	70	Carney	30
						6th.	159	Tallion	76	Cunningham	24

See footnotes at end of table.

Vote Cast for Representatives

253

NO. 423. VOTE CAST FOR UNITED STATES REPRESENTATIVES BY MAJOR POLITICAL PARTY— CONGRESSIONAL DISTRICTS: 1988—Continued

[See headnote, p. 250]

STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE		STATE AND DISTRICT	Total vote cast (1,000)	DEMOCRATIC CANDIDATE		REPUBLICAN CANDIDATE	
		Name	Percent of total	Name	Percent of total			Name	Percent of total	Name	Percent of total
SD	312	Johnson	72	Volk	28	UT	609	(x)	(x)	(x)	(x)
TN	1,409	(x)	(x)	(x)	(x)	1st.....	219	McKay	40	Hansen	(x)
1st.....	149	Smith	20	Quillen	80	2d.....	195	Owens	57	Snelgrove	41
2d.....	177	Taylor	44	Duncan	56	3d.....	194	Stringham	31	Nelson	67
3d.....	189	Lloyd	57	Coker	43	VT	240	Poirier	19	Smith	41
4th.....	94	Cooper	100	(1)	(1)	VA	1,891	(x)	(x)	(x)	(x)
5th.....	155	Clement	100	(1)	(1)	1st.....	186	Ellenson	27	Bateman	73
6th.....	162	Gordon	77	Embry	24	2d.....	176	Pickett	61	Curry	36
7th.....	177	Blood	20	Sundquist	80	3d.....	188	(1)	(1)	Billey	100
8th.....	151	Tanner	62	Bryant	38	4th.....	135	Sisisky	100	(1)	(1)
9th.....	155	Ford	82	(x)	(1)	5th.....	179	Payne	54	Hawkins	44
TX	4,670	(x)	(x)	(x)	(x)	6th.....	185	Olin	64	Judd	36
1st.....	197	Chapman	63	McQueen	37	7th.....	137	(1)	(1)	Slaughter	100
2d.....	166	Wilson	88	(1)	(1)	8th.....	248	Brickley	38	Parris	62
3d.....	279	Cowden	18	Barlett	82	9th.....	179	Boucher	63	Brown	37
4th.....	210	Hall	66	Sutton	32	10th.....	277	Weinberg	32	Wolf	68
5th.....	157	Bryant	61	Williams	38	WA	1,731	(x)	(x)	(x)	(x)
6th.....	243	Kendrick	32	Barton	68	1st.....	275	Andquist	45	Miller	55
7th.....	234	Richards	21	Archer	79	2d.....	175	Swift	100	(1)	(1)
8th.....	91	(1)	(1)	Fields	100	3d.....	218	Unsoeld	50	Wight	50
9th.....	137	Brooks	100	(1)	(1)	4th.....	192	Glob	26	Morrison	75
10th.....	248	Pickle	83	(1)	(1)	5th.....	210	Foley	76	Derby	24
11th.....	141	Leath	95	(1)	(1)	6th.....	186	Dicks	68	Cook	32
12th.....	136	Wright	99	(1)	(1)	7th.....	228	McDer- mott	76	Edwards	24
13th.....	167	Sarpallus	53	Miller	48	8th.....	247	Kean	29	Chandler	71
14th.....	209	Laughlin	53	Sweeney	46	WV	569	(x)	(x)	(x)	(x)
15th.....	100	De La Garza	94	(1)	(1)	1st.....	160	Mollahan	75	Tuck	26
16th.....	105	Coleman	100	(1)	(1)	2d.....	118	Slaggers	100	(1)	(1)
17th.....	149	Stenholm	100	(1)	(1)	3d.....	162	Wise	74	Hart	26
18th.....	102	Leland	93	(1)	(1)	4th.....	129	Rahall	61	Brewster	39
19th.....	167	McCarthy	32	Combest	68	WI	2,035	(x)	(x)	(x)	(x)
20th.....	134	Gonzalez	71	Trevino	28	1st.....	208	Aspin	76	Weaver	24
21st.....	219	(1)	(1)	Smith	93	2d.....	259	Kasten- meier	59	Haney	42
22d.....	185	Walker	31	DeLay	67	3d.....	230	Krueger	32	Gunder- son	68
23d.....	180	Buster- mante	65	Gonzales	34	4th.....	178	Kleczka	100	(1)	(1)
24th.....	147	Frost	93	(1)	(1)	5th.....	219	Moody	64	Barnhill	36
25th.....	159	Andrews	71	Loeffler	26	6th.....	223	Garrett	26	Petri	74
26th.....	281	Reyes	31	Armey	69	7th.....	230	Obey	62	Hermen- ing	37
27th.....	105	Ortiz	100	(1)	(1)	8th.....	240	Baron	30	Roth	70
						9th.....	247	Hickey	25	Sensen- brenner	75
						WY	178	Sharratt	32	Cheney	67

NA Not available. X Not applicable. ¹ No candidate. ² The winning Republican candidate received 125,608 votes; the Democratic candidate, 124,817. ³ The winning Democratic candidate received 91,282 votes; the Republican candidate, 90,243. ⁴ Louisiana holds an open-primary election with candidates from all parties running on the same ballot. Any candidate who receives a majority is elected; if no candidate receives 50 percent, there is a run-off election in November between the top two finishers. ⁵ Candidate listed won seat in open-primary. ⁶ The winning Democratic candidate received 108,436 votes; the Republican candidate, 94,588. ⁷ The winning Democratic candidate received 106,128 votes; the Republican candidate, 106,907. ⁸ The winning Republican candidate received 111,489 votes; the Democratic candidate, 110,782. ⁹ The winning Democratic candidate received 109,412 votes; the Republican candidate, 108,794.

Source: Elections Research Center, Washington, DC, *America Votes*, biennial. (Copyright)

**NO. 424. REPRESENTATIVES ELECTED, BY PERCENT OF VOTE CAST FOR WINNER AND MAJOR PARTY,
1970 TO 1988, AND BY STATE, 1988**

[For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	TOTAL REPRESENTATIVES ELECTED			DEMOCRATS ELECTED			REPUBLICANS ELECTED			REPRESENTATIVES ELECTED WITH NO MAJOR PARTY OPPOSITION					
	Total	Percentage of vote		Total	Percentage of vote		Total	Percentage of vote		Total	Demo- crats	Republi- cans			
		Under 55	55- 59.9		Under 55	55- 59.9		Under 55	55- 59.9		Under 55	55- 59.9			
1970	435	59	64	312	255	28	26	201	180	31	38	111	63	58	5
1972	435	67	60	308	242	28	29	185	192	38	31	123	54	46	8
1974	435	105	69	261	291	48	34	209	144	57	35	52	60	59	1
1976	435	76	92	297	292	52	32	208	143	24	30	89	52	46	6
1978	435	74	61	300	277	46	36	195	158	28	25	70	51	51	19
1980	435	78	63	294	243	35	35	173	192	43	28	121	54	39	15
1982	435	76	73	288	289	40	33	196	166	36	40	90	56	46	10
1984	435	58	56	321	253	33	35	182	182	25	18	139	68	54	14
1986	435	46	41	348	258	22	18	218	177	24	23	130	75	57	18
1988, total....	435	37	34	364	260	21	15	224	175	16	19	140	80	61	19
Region:															
Northeast.....	95	5	8	82	55	3	4	48	40	2	4	34	20	16	4
Midwest.....	113	10	10	93	64	5	5	54	49	5	5	39	5	3	2
South.....	142	15	8	119	96	11	3	82	46	4	5	37	47	36	11
West.....	85	7	8	70	45	2	3	40	40	5	5	30	8	6	2
N. Eng.....	24	1	2	21	14	-	-	14	10	1	2	7	5	5	-
ME.....	2	-	-	2	1	-	-	1	1	-	-	-	-	-	-
NH.....	2	-	1	1	-	-	-	-	-	1	1	-	-	-	-
VT.....	1	1	-	-	-	-	-	-	1	1	-	-	-	-	-
MA.....	11	-	-	11	10	-	-	10	1	-	-	1	5	5	-
RI.....	2	-	1	1	-	-	-	-	2	-	1	-	-	-	-
CT.....	6	-	-	6	3	-	-	3	3	-	3	-	-	-	-
Mid. Atl.....	71	4	6	61	41	3	4	34	30	1	2	27	15	11	4
NY.....	34	3	4	27	21	2	3	16	13	1	1	11	9	7	2
NJ.....	14	1	-	13	8	1	-	7	6	-	-	6	1	1	-
PA.....	23	-	2	21	12	-	-	11	11	-	1	10	5	3	2
E. No. Cent.....	80	7	6	67	47	4	5	38	33	3	1	29	4	3	1
OH.....	21	-	1	20	11	-	-	10	10	-	-	10	1	-	-
IN.....	10	2	1	7	6	1	1	4	4	1	-	3	-	-	-
IL.....	22	3	-	19	14	2	-	12	8	1	1	7	1	1	-
Mi.....	18	2	3	13	11	1	2	8	7	1	1	5	1	1	-
WI.....	9	-	1	8	5	-	-	4	4	-	4	1	-	-	-
W. No. Cent.....	33	3	4	26	17	1	-	16	16	2	4	10	1	-	1
MN.....	8	1	1	6	5	-	-	5	3	1	1	1	-	-	-
IA.....	6	-	1	5	-	-	-	2	4	-	1	3	-	-	-
MO.....	9	1	2	6	5	-	-	5	4	1	2	1	-	-	-
ND.....	1	-	-	1	1	-	-	1	1	-	-	-	-	-	-
SD.....	1	-	-	1	1	-	-	1	1	-	-	-	-	-	-
NE.....	3	1	-	2	1	1	-	-	2	-	-	2	-	-	-
KS.....	5	-	-	5	2	-	-	2	3	-	3	1	-	-	-
So. Atl.....	69	11	2	56	47	8	1	38	22	3	1	18	17	13	4
DE.....	1	-	-	1	1	-	-	1	1	-	-	-	-	-	-
MD.....	8	1	-	7	6	1	-	5	2	-	2	1	1	1	-
VA.....	10	1	-	9	5	1	-	4	5	-	5	3	1	1	2
WV.....	4	-	-	4	4	-	-	4	4	-	-	1	1	-	-
NC.....	11	3	1	7	8	3	1	4	3	-	-	3	2	2	-
SC.....	6	3	-	3	2	4	2	-	2	1	-	-	-	-	-
GA.....	10	-	1	9	9	-	-	9	1	2	1	-	2	2	-
FL.....	19	3	-	16	10	1	-	9	9	2	7	8	5	3	3
E. So. Cent.....	28	1	5	22	19	1	2	16	9	-	3	6	7	5	2
KY.....	7	-	1	6	4	-	-	3	3	-	-	3	2	2	1
TN.....	9	-	2	7	6	-	1	5	3	-	1	2	2	2	-
AL.....	7	-	1	6	5	-	1	5	2	-	1	1	3	2	-
MS.....	5	1	1	3	4	1	-	3	1	-	1	-	-	-	-
W. So. Cent.....	46	3	1	41	30	2	-	28	15	1	1	13	23	18	5
AR.....	4	-	-	4	3	-	-	3	1	-	1	1	1	1	-
LA.....	8	-	1	7	4	-	-	4	4	-	1	3	7	4	3
OK.....	6	1	-	5	4	-	-	4	2	1	-	1	2	2	-
TX.....	27	2	-	25	19	2	-	17	8	-	8	13	11	2	-
MT.....	24	1	4	19	9	-	1	8	15	1	3	11	-	-	-
ID.....	2	-	1	1	1	-	-	1	1	-	1	-	-	-	-
WY.....	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-
CO.....	6	-	-	6	3	-	-	3	1	-	3	-	-	-	-
NM.....	3	1	-	2	1	-	-	1	2	1	-	4	1	-	-
AZ.....	5	-	-	5	1	-	-	1	4	-	1	1	-	-	-
UT.....	3	-	2	1	1	-	-	1	2	-	1	1	-	-	-
NV.....	2	-	1	1	1	-	-	1	1	-	1	1	-	-	-
Pac.....	61	6	4	51	36	2	2	32	25	4	2	19	6	6	6
WA.....	8	1	1	6	5	1	-	4	3	-	1	2	1	1	-
OR.....	5	1	-	4	3	-	-	3	2	1	-	1	1	1	-
CA.....	45	3	3	39	27	1	2	24	18	2	1	15	3	3	-
AK.....	1	-	1	1	1	-	-	1	1	-	1	-	-	-	-
HI.....	2	1	-	1	1	-	-	1	1	1	-	1	1	1	-

- Represents zero. ¹ Includes one Representative elected as an Independent.

Source: Compiled by U.S. Bureau of the Census from Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

No. 425. COMPOSITION OF CONGRESS, BY POLITICAL PARTY: 1961 TO 1989

[D=Democratic, R=Republican. Data for beginning of first session of each Congress. Excludes vacancies at beginning of session. See also *Historical Statistics, Colonial Times to 1970*, series Y 204-210]

YEAR	Party and President	Congress	HOUSE			SENATE		
			Majority party	Minority party	Other	Majority party	Minority party	Other
1961	D (Kennedy)	87th	D-263	R-174	-	D-65	R-35	-
1963	D (Kennedy)	88th	D-258	R-177	-	D-67	R-33	-
1965	D (Johnson)	89th	D-295	R-140	-	D-68	R-32	-
1967	D (Johnson)	90th	D-247	R-187	-	D-64	R-36	-
1969	R (Nixon)	91st	D-243	R-192	-	D-57	R-43	-
1971 ¹	R (Nixon)	92d	D-254	R-180	-	D-54	R-44	2
1973 ^{1,2}	R (Nixon)	93d	D-239	R-192	1	D-56	R-42	2
1975 ³	R (Ford)	94th	D-291	R-144	-	D-60	R-37	2
1977 ⁴	D (Carter)	95th	D-292	R-143	-	D-61	R-38	1
1979 ⁴	D (Carter)	96th	D-276	R-157	-	D-58	R-41	1
1981 ⁴	R (Reagan)	97th	D-243	R-192	-	R-53	D-46	1
1983	R (Reagan)	98th	D-269	R-165	-	R-54	D-46	-
1985	R (Reagan)	99th	D-252	R-182	-	R-53	D-47	-
1987	R (Reagan)	100th	D-258	R-177	-	D-55	R-45	-
1989	R (Bush)	101st	D-259	R-174	-	D-55	R-45	-

¹ Represents zero.¹ Senate had 1 Independent and 1 Conservative-Republican.² House had 1 Independent-Democrat.³ Senate had 1 Independent, 1 Conservative-Republican, and 1 undecided (New Hampshire).⁴ Senate had 1 Independent.Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, annual; beginning 1977, biennial.

No. 426. U.S. CONGRESS—MEASURES INTRODUCED AND ENACTED AND TIME IN SESSION: 1971 TO 1988

[Excludes simple and concurrent resolutions. See also *Historical Statistics, Colonial Times to 1970*, series Y 189-198]

ITEM	92d Cong., 1971-72	93d Cong., 1973-74	94th Cong., 1975-76	95th Cong., 1977-78	96th Cong., 1979-80	97th Cong., 1981-82	98th Cong., 1983-84	99th Cong., 1985-86	100th Cong., 1987-88
Measures introduced	22,969	23,396	21,096	19,387	12,583	11,490	11,156	9,885	9,588
Bills	21,363	21,950	19,762	18,045	11,722	10,582	10,134	8,697	8,515
Joint resolutions	1,606	1,446	1,334	1,342	861	908	1,022	1,188	1,073
Measures enacted	768	774	729	803	736	529	677	483	761
Public	607	651	588	633	613	473	623	466	713
Private	161	123	141	170	123	56	54	17	48
HOUSE OF REPRESENTATIVES ¹									
Number of days	298	318	311	323	326	303	266	281	298
Number of hours	1,429	1,487	1,788	1,898	1,876	1,420	1,705	1,794	1,659
Number of hours per day	4.8	4.7	5.7	5.9	5.8	4.7	6.4	6.4	5.6
Senate ¹									
Number of days	348	334	320	337	333	312	281	313	307
Number of hours	2,294	2,028	2,210	2,510	2,324	2,158	1,951	2,531	2,341
Number of hours per day	6.6	6.1	6.9	7.4	7.0	6.9	6.9	8.1	7.6

¹ Source: Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1987-1988*, American Enterprise Institute, Washington, DC, 1987 and unpublished data. (Copyright.)

Source: Except as noted, U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 427. CONGRESSIONAL BILLS VETOED: 1961 TO 1988

[See also *Historical Statistics, Colonial Times to 1970*, series Y 199-203]

PERIOD	President	Total vetoes	Regular vetoes	Pocket vetoes	Vetoes sustained	Bills passed over veto
1961-1963	Kennedy	21	12	9	21	-
1963-1969	Johnson	30	16	14	30	-
1969-1974	Nixon	42	24	18	36	6
1974-1977	Ford	72	53	19	60	12
1977-1981	Carter	31	13	18	29	2
1981-1988	Reagan	78	39	39	69	9

¹ Represents zero.Source: U.S. Congress, Senate Library, *Presidential Vetoes . . . 1789-1968*; U.S. Congress, *Calendars of the U.S. House of Representatives and History of Legislation*, annual.

No. 428. COMPOSITION OF CONGRESS, BY POLITICAL PARTY AFFILIATION—STATES: 1983 TO 1989

[Figures are for the beginning of the first session. Dem.=Democratic; Rep.=Republican. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	REPRESENTATIVES								SENATORS							
	98th Cong., ¹ 1983		99th Cong., ² 1985		100th Cong., ² 1987		101st Cong., ^{2,3} 1989		98th Cong., 1983		99th Cong., 1985		100th Cong., 1987		101st Cong., 1989	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	269	165	252	182	258	177	259	174	46	54	47	53	55	45	55	46
Region:																
Northeast.....	58	37	54	41	55	40	55	40	9	9	9	9	9	9	10	8
Midwest.....	62	51	61	51	62	51	64	48	10	14	12	12	13	11	13	11
South.....	103	39	93	49	96	46	95	46	13	14	18	14	23	9	22	10
West.....	46	36	44	41	45	40	45	40	9	17	8	16	10	16	10	16
N. Eng.	16	8	14	10	15	9	14	10	6	6	6	6	6	6	7	5
ME.....	-	2	-	2	1	1	1	1	1	1	1	1	1	1	1	-
NH.....	1	1	-	2	-	2	-	2	-	2	-	2	-	2	-	2
VT.....	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1	1
MA.....	10	1	10	1	10	1	10	1	2	1	1	1	1	1	1	1
RI.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CT.....	4	2	3	3	3	3	3	3	1	1	1	1	1	1	1	-
Mid. Atl.	42	29	40	31	40	31	41	30	3	3	3	3	3	3	3	3
NY.....	20	14	19	15	20	14	21	13	1	1	1	1	1	1	1	1
NJ.....	9	5	8	6	8	6	8	6	2	-	2	-	2	-	2	-
PA.....	13	10	13	10	12	11	12	11	-	2	-	2	-	2	-	2
E. No. Cent.	44	36	44	35	46	34	47	32	6	4	7	3	7	3	7	3
OH.....	10	11	11	10	11	10	11	10	2	2	2	2	2	2	2	2
IN.....	5	5	4	5	6	4	6	3	-	2	-	2	-	2	-	2
IL.....	12	10	13	9	13	9	14	8	1	1	2	2	-	2	-	2
MI.....	12	6	11	7	11	7	11	7	2	2	2	-	2	-	2	-
WI.....	5	4	5	4	5	4	5	4	1	1	1	1	1	1	1	1
W. No. Cent.	18	15	17	16	16	17	17	16	4	10	5	9	6	8	6	8
MN.....	5	5	3	5	3	3	3	3	-	2	1	1	1	1	1	-
IA.....	3	3	2	4	2	4	2	4	-	2	1	1	1	1	1	1
MO.....	6	3	6	3	5	4	5	4	-	1	1	1	1	1	1	1
ND.....	1	-	1	-	1	-	1	-	1	1	1	1	1	2	-	2
SD.....	1	-	1	-	1	-	1	-	1	2	2	-	2	1	1	1
NE.....	-	3	-	3	-	3	1	2	2	-	2	-	2	-	2	-
KS.....	2	3	2	3	2	3	2	3	-	2	-	2	-	2	-	2
So. Atl.	50	19	44	25	48	21	47	22	7	9	7	9	11	5	11	5
DE.....	1	-	1	-	1	-	1	-	1	1	1	1	1	1	1	1
MD.....	7	1	6	2	6	2	6	2	1	1	1	1	2	-	2	-
VA.....	4	6	4	6	5	5	5	5	-	2	-	2	-	2	-	1
WV.....	4	-	4	-	4	-	4	-	2	-	2	-	2	-	2	-
NC.....	9	2	6	5	8	3	8	3	-	2	-	2	-	1	-	1
SC.....	3	3	3	3	4	2	4	2	1	1	1	1	1	1	1	1
GA.....	9	1	8	2	8	2	8	2	9	1	1	1	1	2	-	1
FL.....	13	6	12	7	12	7	10	9	1	1	1	1	1	2	-	1
E. So. Cent.	18	10	18	10	19	9	18	9	5	3	6	3	2	5	3	3
KY.....	4	3	4	3	4	3	4	3	2	-	1	1	1	1	1	-
TN.....	6	3	6	3	6	3	6	3	1	1	2	-	2	2	-	2
AL.....	5	2	5	2	5	2	4	2	2	1	1	1	1	2	-	2
MS.....	3	2	3	2	4	1	4	1	1	1	1	1	1	1	1	-
W. So. Cent.	35	10	31	14	29	16	30	15	6	2	6	2	6	2	6	2
AR.....	2	2	3	1	3	1	3	1	2	-	2	-	2	-	2	-
LA.....	6	2	6	2	5	3	4	4	2	-	2	-	2	-	2	-
OK.....	5	1	5	1	4	2	4	2	1	1	1	1	1	1	1	1
TX.....	22	5	17	10	17	10	19	8	1	1	1	1	1	1	1	1
Mt.	8	15	7	17	9	15	9	15	5	11	5	11	6	10	6	10
MT.....	1	1	1	1	1	1	1	1	2	-	2	-	2	-	1	-
ID.....	-	2	1	1	1	1	1	1	-	2	-	2	-	2	-	2
WY.....	-	1	-	1	-	1	-	1	-	2	-	2	-	2	-	2
CO.....	3	2	2	4	3	3	3	3	1	1	1	1	1	1	1	1
NM.....	1	2	1	2	1	2	1	2	1	1	1	1	1	1	1	1
AZ.....	2	3	1	4	1	4	1	4	1	1	1	1	1	1	1	1
UT.....	-	3	-	3	1	2	1	2	1	2	-	2	-	2	-	2
NV.....	1	1	1	1	1	1	1	1	-	2	-	2	-	1	1	-
Pac.	38	23	37	24	36	25	36	25	4	6	3	7	4	6	4	6
WA.....	5	3	5	3	5	3	5	3	1	1	-	2	1	1	1	-
OR.....	3	2	3	2	3	2	3	2	1	2	-	2	-	2	-	2
CA.....	28	17	27	18	27	18	27	18	1	1	1	2	-	2	-	2
AK.....	-	1	-	1	-	1	-	1	2	-	2	-	2	-	2	-
HI.....	2	-	2	-	1	-	1	-	2	-	2	-	2	-	2	-

- Represents zero.

¹ Colorado had one vacancy.

² Indiana had one vacancy.

³ Alabama had one vacancy.

Source: U.S. Congress, Joint Committee on Printing, *Congressional Directory*, biennial; and unpublished data.

Members of Congress—Congressional Staff

257

NO. 429. MEMBERS OF CONGRESS—INCUMBENTS RE-ELECTED: 1964 TO 1988

ITEM	PRESIDENTIAL-YEAR ELECTIONS							MIDTERM ELECTIONS					
	1964	1968	1972	1976	1980	1984	1988	1966	1970	1974	1978	1982	1986
Representatives:													
Incumbent candidates	397	409	390	384	398	411	409	411	401	391	382	393	394
Re-elected	344	396	365	368	361	392	402	362	379	343	358	354	385
Percent of candidates	86.6	96.8	93.6	95.8	90.7	95.3	98.3	88.1	94.5	87.7	93.7	90.1	97.7
Defeated: In primaries	8	4	12	3	6	9	1	8	10	8	5	10	3
In general elections	45	9	13	13	31	16	6	41	12	40	19	29	6
Senators:													
Incumbent candidates	33	28	27	25	29	29	27	32	31	27	25	30	28
Re-elected	28	26	20	16	16	26	23	28	24	23	15	28	21
Percent of candidates	84.8	71.4	74.1	64.0	55.2	89.7	85.2	87.5	77.4	85.2	60.0	93.3	75.0
Defeated: In primaries	1	4	2	—	4	—	—	3	1	2	3	—	—
In general elections	4	4	5	9	9	3	4	1	6	2	7	2	—

— Represents zero. ¹ Six incumbents defeated in primaries by other incumbents due to redistricting.

Source: Congressional Quarterly, Inc., Washington, DC, *Congressional Quarterly Weekly Report*, vol. 45, No. 46, Nov. 12, 1988. (Copyright.)

NO. 430. MEMBERS OF CONGRESS—SELECTED CHARACTERISTICS: 1975 TO 1989

[As of beginning of first session of each Congress. Figures for Representatives exclude vacancies]

MEMBERS OF CONGRESS AND YEAR	Male	Female	Black	Hispanic ¹	AGE (in years)						SENIORITY ²					
					Under 40	40-49	50-59	60-69	70-79	80 and over	Less than 2 years	2-9 years	10-19 years	20-29 years	30 years or more	
REPRESENTATIVES																
94th Cong., 1975	416	19	15	7	69	138	137	75	14	2	96	162	125	42	10	
95th Cong., 1977	417	18	16	5	81	121	147	71	15	—	71	207	116	33	8	
96th Cong., 1979	417	16	16	5	86	125	145	63	14	—	80	206	105	32	10	
97th Cong., 1981	416	19	17	6	94	142	132	54	12	1	77	231	96	23	8	
98th Cong., 1983	413	21	21	8	86	145	132	57	13	1	83	224	88	28	11	
99th Cong., 1985	412	22	20	10	71	154	131	59	17	2	49	237	104	34	10	
100th Cong., 1987	412	23	23	11	63	153	137	56	24	2	51	221	114	37	12	
101st Cong., 1989	408	25	24	10	41	163	133	74	20	2	39	207	139	35	13	
SENATORS																
94th Cong., 1975 ³	100	—	1	1	5	21	35	24	15	—	11	41	34	10	4	
95th Cong., 1977	100	—	1	—	6	26	35	21	10	2	18	41	24	12	5	
96th Cong., 1979	99	1	—	—	10	31	33	17	8	1	20	41	23	12	4	
97th Cong., 1981	98	2	—	—	9	35	36	14	6	—	19	51	17	11	2	
98th Cong., 1983	98	2	—	—	7	28	39	20	3	3	5	61	21	10	3	
99th Cong., 1985	98	2	—	—	4	27	38	25	4	2	8	56	27	7	2	
100th Cong., 1987	98	2	—	—	5	30	36	22	5	2	14	41	36	7	2	
101st Cong., 1989	98	2	—	—	30	40	22	6	2	23	22	43	10	2		

— Represents zero. ¹ Source: National Association of Latino Elected and Appointed Officials, Washington, DC, *National Roster of Hispanic Elected Officials*, annual. ² Represents consecutive years of service. ³ Includes Senator Durkin, NH, seated Sept. 1975.

Source: Except as noted, compiled by U.S. Bureau of the Census from data published in *Congressional Directory*, biennial.

NO. 431. CONGRESSIONAL STAFF, BY LOCATION OF EMPLOYMENT: 1957 TO 1987

[Excludes those persons employed in Congressional support agencies such as the U.S. General Accounting Office, the Library of Congress, and the Congressional Budget Office]

YEAR	PERSONAL STAFF		YEAR	STANDING COMMITTEE STAFF		LOCATION OF EMPLOYMENT	1979	1981	1983	1985	1987
	House	Senate		House	Senate						
1957	2,441	1,115	1960	440	470	Total	16,803	17,422	17,963	18,136	(NA)
1967	4,055	1,749	1965	571	509	House of Representatives	10,743	11,217	11,537	11,636	11,708
1972	5,280	2,426	1970	702	635	Committee staff	2,027	1,917	2,068	2,146	2,161
1976	6,939	3,251	1978	1,680	1,201	Personal staff	7,067	7,487	7,606	7,528	7,515
1977	6,342	3,554	1977	1,776	1,028	Leadership staff	162	127	135	144	174
1978	6,944	3,268	1976	1,844	1,151	Officers of House, staff	1,487	1,686	1,728	1,818	1,858
1979	7,067	3,593	1979	1,909	1,269	Senate	5,922	6,079	6,303	6,369	(NA)
1980	7,371	3,746	1980	1,917	1,191	Committee staff	1,410	1,150	1,176	1,178	1,040
1981	7,487	3,945	1981	1,843	1,022	Personal staff	3,593	3,945	4,059	4,097	4,075
1982	7,511	4,041	1982	1,839	1,047	Leadership staff	91	106	120	118	118
1983	7,606	4,059	1983	1,970	1,075	Officers of Senate, staff	828	878	948	976	(NA)
1984	7,385	3,949	1984	1,944	1,095	Joint committee staff	138	126	123	131	130
1985	7,528	4,097	1985	2,009	1,080						
1986	1,7,920	3,774	1986	1,954	1,075						
1987	7,515	4,075	1987	(NA)	(NA)						

NA Not available. ¹ House figure is average for year and Senate figure only covers period following implementation of Gramm-Rudman budget reductions. ² Covers standing, select and special committees.

Source: 1957-1986, Ornstein, Norman J., Thomas E. Mann, and Michael J. Malbin, *Vital Statistics on Congress, 1987-1988*, American Enterprise Institute, Washington, DC, 1987 (copyright). 1987, Congressional Quarterly, Inc., Washington, DC, based on data supplied by Congressional Research Service.

Elections

NO. 432. NUMBER OF GOVERNORS, BY POLITICAL PARTY AFFILIATION: 1960 TO 1990

[Reflects results of elections in previous year and holdover incumbents]

YEAR	Democratic	Republican	YEAR	Democratic	Republican	Independent	YEAR	Democratic	Republican
1960.....	34	16	1971.....	29	21	-	1981.....	27	23
1962.....	34	16	1972.....	30	20	-	1982.....	27	23
1963.....	34	16	1973.....	31	19	-	1983.....	34	16
1964.....	34	16	1974.....	32	18	-	1984.....	35	15
1965.....	33	17	1975.....	36	13	1	1985.....	34	16
1966.....	33	17	1976.....	36	13	1	1986.....	34	16
1967.....	25	25	1977.....	37	12	1	1987.....	26	24
1968.....	24	26	1978.....	37	12	1	1988.....	27	23
1969.....	20	30	1979.....	32	18	-	1989.....	28	22
1970.....	18	32	1980.....	31	19	-	1990.....	29	21

- Represents zero.

Source: National Governors' Association, Washington, DC, *Directory of Governors of the American States, Commonwealths & Territories*, annual. (Copyright.)

NO. 433. VOTE CAST FOR AND GOVERNOR ELECTED, BY STATE: 1982 TO 1988

[In thousands, except percent. D=Democratic, R=Republican]

DIVISION AND STATE	1982		1984		1986		1988		Candidate elected at most recent election
	Total vote ¹	Percent leading party							
N. Eng.: ME.....	460	D-61.1	(x)	R-66.8	427	R-39.9	(x)	(x)	John R. McKernan
NH.....	283	R-51.4	384	R-53.7	251	R-53.7	442	R-60.4	Judd Gregg
VT.....	169	R-55.0	234	D-50.0	197	D-47.0	243	D-55.4	Madeleine S. Kunin
MA.....	2,050	D-59.5	(x)	(x)	1,684	D-68.7	(x)	(x)	Michael S. Dukakis
RI.....	337	D-73.3	408	R-60.0	323	R-64.7	401	R-50.8	Edward DiPrete
CT.....	1,084	D-53.3	(x)	(x)	994	D-57.9	(x)	(x)	William A. O'Neill
Mid. Atl.: NY.....	5,255	D-50.9	(x)	(x)	4,294	D-64.6	(x)	(x)	Mario M. Cuomo
NJ ²	2,317	R-49.5	1,973	R-69.6	2,245	D-61.2	James J. Florio		
PA.....	3,684	R-50.8	(x)	(x)	3,388	D-50.7	(x)	(x)	Robert Casey
E. No. Cent.: OH.....	3,357	D-59.0	(x)	(x)	3,067	D-60.6	(x)	(x)	Robert F. Celeste
IN.....	(x)	(x)	2,198	R-52.2	(x)	2,141	D-53.2	Evan Bayh	
IL.....	3,674	R-49.4	(x)	(x)	3,144	R-52.7	(x)	(x)	James R. Thompson
MI.....	3,040	D-51.4	(x)	(x)	2,397	D-68.1	(x)	(x)	James J. Blanchard
WI.....	1,580	D-56.7	(x)	(x)	1,527	R-52.7	(x)	(x)	Tommy G. Thompson
W. So. Cent.: MN.....	1,790	D-58.6	(x)	(x)	1,416	D-55.8	(x)	(x)	Rudy Perpich
IA.....	1,038	R-52.8	(x)	(x)	911	R-51.9	(x)	(x)	Terry E. Branstad
MO.....	(x)	(x)	2,108	R-56.7	(x)	(x)	2,086	R-64.2	John Ashcroft
ND.....	(x)	(x)	314	D-55.3	(x)	(x)	299	D-59.9	George Simmer
SD.....	279	R-70.9	(x)	(x)	294	R-51.8	(x)	(x)	George S. Mickelson
NE.....	548	D-50.6	(x)	(x)	564	R-52.9	(x)	(x)	Kay Orr
KS.....	763	D-53.2	(x)	(x)	841	R-51.9	(x)	(x)	Mike Hayden
So. All.: DE.....	(x)	(x)	244	R-55.5	(x)	(x)	240	R-70.7	Michael N. Castle
MD.....	1,139	D-62.0	(x)	(x)	1,101	D-82.4	(x)	(x)	William D. Schaefer
VA ³	1,421	D-53.5	1,343	D-55.2	(x)	(x)	1,789	D-50.1	Douglas Wilder
WV.....	(x)	(x)	742	R-53.3	(x)	(x)	650	D-58.9	Gaston Caperton
NC.....	(x)	(x)	2,227	R-54.3	(x)	(x)	2,180	R-56.1	James G. Martin
SC.....	672	D-69.8	(x)	(x)	754	R-51.0	(x)	(x)	Carroll Campbell
GA.....	1,169	D-62.8	(x)	(x)	1,175	D-70.5	(x)	(x)	Joe Frank Harris
FL.....	2,689	D-64.7	(x)	(x)	3,386	R-54.6	(x)	(x)	Bob Martinez
E. So. Cent.: KY ⁴	(x)	(x)	1,031	D-54.5	781	D-64.6	(x)	(x)	Wallace G. Wilkinson
TN.....	1,239	R-59.6	(x)	(x)	1,210	D-54.2	(x)	(x)	Ned McWherter
AL.....	1,129	D-57.6	(x)	(x)	1,236	R-56.3	(x)	(x)	Guy Hunt
MS ⁵	(x)	(x)	743	D-55.1	722	D-53.4	(x)	(x)	Ray Mabus
W. So. Cent.: AR.....	769	D-54.7	887	D-62.6	689	D-63.9	(x)	(x)	Bill Clinton
LA.....	(x)	(x)	* 1,616	* 62.3	* 1,559	* 33.1	(x)	(x)	Charles Roemer
OK.....	883	D-62.1	(x)	(x)	910	R-47.5	(x)	(x)	Henry Bellmon
NM.....	407	D-53.0	(x)	(x)	395	R-53.0	(x)	(x)	William P. Clements
AZ.....	726	D-62.5	(x)	(x)	867	R-39.7	(x)	(x)	Garrey E. Carruthers
UT.....	(x)	(x)	630	R-55.9	(x)	(x)	649	R-40.1	Evan Meacham ⁶
NV.....	3,191	D-53.2	(x)	(x)	3,441	R-52.7	(x)	(x)	Norman H. Bangerter
Mt.: MT.....	(x)	(x)	379	D-70.3	(x)	(x)	367	R-51.9	Stan Stephens
ID.....	327	D-50.6	(x)	(x)	387	D-49.9	(x)	(x)	Cecil D. Andrus
WY.....	169	D-83.1	(x)	(x)	165	D-54.0	(x)	(x)	Mike Sullivan
CO.....	956	D-65.7	(x)	(x)	1,059	D-58.2	(x)	(x)	Roy Romer
NM.....	407	D-53.0	(x)	(x)	395	R-53.0	(x)	(x)	
AZ.....	726	D-62.5	(x)	(x)	867	R-39.7	(x)	(x)	
UT.....	(x)	(x)	630	R-55.9	(x)	(x)	649	R-40.1	
NV.....	3,191	D-53.4	(x)	(x)	3,441	R-52.7	(x)	(x)	Richard H. Bryan
Pac.: WA.....	(x)	(x)	1,889	D-53.3	(x)	(x)	1,875	D-62.2	Booth Gardner
OR.....	1,042	R-61.4	(x)	(x)	1,080	D-51.9	(x)	(x)	Neil Goldschmidt
CA.....	7,877	R-49.3	(x)	(x)	7,444	R-60.5	(x)	(x)	George Deukmejian
AK.....	195	D-46.1	(x)	(x)	180	D-47.3	(x)	(x)	Steve Cowper
HI.....	312	D-45.2	(x)	(x)	334	D-52.0	(x)	(x)	John Waihee

X. Not applicable. ¹ Includes minor party and scattered votes. ² Voting years 1981, 1985, and 1989. NJ results for 1988 are unofficial. ³ Voting years 1983 and 1987. ⁴ Primary elections in Oct. 1983 and Oct. 1987, held on a non-party basis. Winner was Democratic. Runner-up in 1987 withdrew from runoff.

⁵ Evan Meacham was impeached in 1988 and replaced by Rose Mofford (Dem.). ⁶ Evan Meacham was impeached in 1989 and replaced by Rose Mofford (Dem.).

Composition of State Legislatures

259

NO. 434. COMPOSITION OF STATE LEGISLATURES, BY POLITICAL PARTY AFFILIATION: 1982 TO 1988

[Data reflect election results in year shown for most States; and, except as noted, results in previous year for other States. Figures reflect immediate results of elections, including holdover members in State houses which do not have all of their members running for re-election. Dem.=Democratic; Rep.=Republican. In general, Lower House refers to body consisting of State Representatives; Upper House, of State Senators]

STATE	LOWER HOUSE								UPPER HOUSE							
	1982 ^{1 2}		1984 ^{3 4}		1986 ^{5 6}		1988 ^{7 8}		1982 ^{1 9}		1984 ^{3 10}		1986 ^{5 11}		1988 ^{7 12}	
	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.	Dem.	Rep.
U.S.	3,429	2,006	3,136	2,316	3,294	2,164	3,275	2,179	1,210	725	1,187	753	1,177	762	1,194	750
AL ¹³	97	8	87	12	89	16	85	17	32	3	28	4	30	5	28	6
AK ¹⁴	19	21	21	18	24	24	23	17	9	11	9	11	8	12	8	12
AZ ¹⁴	21	39	22	38	24	36	26	34	12	12	12	16	11	19	13	17
AH ¹⁴	93	7	91	9	91	9	88	11	32	3	31	4	31	4	31	4
CA ¹⁴	48	32	47	33	44	36	46	33	25	14	25	15	23	15	24	15
CO ¹⁴	25	40	18	47	25	40	26	39	14	21	11	24	10	25	11	24
CT ¹²	87	64	66	85	92	59	88	63	23	13	12	24	25	11	23	13
DE ¹⁴	24	17	19	22	19	22	18	23	13	8	13	8	13	8	13	8
FL ¹⁴	84	36	77	43	75	45	73	47	32	8	32	8	25	15	23	17
GA ¹⁵	156	24	154	26	153	27	144	36	49	7	47	9	46	10	45	11
HI ¹⁴	43	8	40	11	40	10	45	6	20	5	21	4	20	5	22	3
ID ¹⁶	19	51	17	67	20	64	20	64	14	21	14	28	16	26	19	23
IL ¹⁴	70	48	67	51	67	51	67	51	33	26	31	28	31	28	31	28
IN ¹⁴	43	57	39	61	48	52	50	50	18	32	20	30	19	30	24	26
IA ¹⁴	60	40	60	40	58	42	61	39	28	22	29	21	30	20	30	20
KS ¹⁴	53	72	49	76	51	74	58	67	16	24	16	24	16	24	18	22
KY ¹⁴	76	24	74	26	71	29	72	28	28	10	28	10	29	9	30	8
LA ¹³	93	11	91	14	87	15	86	17	38	1	38	1	34	5	34	5
ME ¹⁶	92	59	85	66	86	65	97	54	23	10	24	11	20	15	20	15
MD ¹³	124	17	124	17	124	17	125	16	41	6	41	6	40	7	40	7
MA ¹⁵	129	29	126	34	127	33	128	32	33	7	32	8	32	8	32	8
MI ¹⁴	63	47	57	53	64	46	61	49	20	18	18	19	18	20	18	20
MN ¹⁴	77	57	65	69	83	51	80	53	42	25	42	47	20	44	23	23
MS ¹⁸	116	5	116	6	113	9	112	9	49	3	49	3	45	7	44	8
MO ¹⁴	110	53	108	55	111	52	104	58	22	12	21	13	21	13	22	12
MT ¹⁴	55	45	50	50	49	51	52	48	24	26	28	22	25	25	27	27
NE ⁽¹⁶⁾	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)	(16)
NV ¹⁴	23	19	17	25	29	13	30	12	17	4	13	8	9	12	8	13
NH ¹⁶	158	237	102	297	132	268	119	281	9	15	6	18	8	16	8	16
NJ ¹⁴	44	36	30	50	39	41	39	41	23	17	23	17	24	16	24	16
NM ¹⁴	46	24	42	28	47	23	45	25	23	19	21	21	21	26	16	16
NY ¹⁰	97	52	94	56	92	56	92	58	26	35	26	35	25	36	27	34
NC ¹³	102	18	62	38	84	36	74	46	44	6	38	12	40	10	37	13
ND ¹⁴	55	51	42	64	45	61	45	61	21	32	24	29	27	26	32	21
OH ¹⁴	62	37	58	40	60	39	59	40	17	16	15	18	15	18	14	19
OK ¹⁴	76	25	69	32	70	31	68	32	34	14	34	14	30	17	33	15
OR ¹⁴	36	24	34	26	31	29	32	28	21	9	18	12	17	13	19	11
PA ¹⁴	103	100	103	100	103	100	104	99	23	27	23	27	23	26	23	27
RI ¹⁵	85	15	77	21	80	20	83	17	29	21	38	12	38	12	41	9
SC ¹⁴	103	20	96	27	92	32	87	37	39	6	36	10	36	10	35	11
SD ¹⁵	16	54	13	57	22	48	24	46	9	26	10	25	11	24	15	20
TN ¹⁴	60	37	62	37	61	38	59	40	22	11	23	10	23	10	22	11
TX ¹⁴	114	36	98	52	94	56	93	57	26	5	25	6	25	6	23	8
UT ¹⁴	17	58	14	61	27	48	28	47	5	24	6	23	8	21	7	22
VT ¹⁶	65	83	72	78	74	75	74	76	13	17	18	12	19	11	16	14
VA ¹⁴	65	34	65	33	64	35	64	35	32	8	31	8	30	10	30	10
WA ¹⁴	54	44	53	45	61	37	63	35	26	23	27	22	25	24	24	25
WV ¹⁴	87	13	73	27	78	22	79	21	31	3	30	4	27	7	29	5
WI ¹⁴	59	40	52	47	54	45	56	43	19	14	19	14	20	11	20	13
WY ¹⁴	25	38	18	46	20	44	23	41	11	19	11	19	11	19	11	19

¹ Status as of August 1983, except for KY, LA, MS, NJ, and VA which are as of Jan. 1984 and reflect elections held in 1983.

² Excludes 1 Independent each for LA, TN, VA, and WY; 2 Independents for NH; 1 vacancy each for MS, NY, SC, and TN; 2 vacancies each for MA and VT; and 3 vacancies for NH.

³ Status as of Jan. 1985, except for NJ and VA which are as of Jan. 1986 and reflect elections held in 1985.

⁴ Excludes 1 Independent for RI; 2 Independents for VA; 5 Independents for AL; 1 Libertarian for AK; and 1 vacancy each for AL, NH, OH, RI, and SC.

⁵ Status as of Jan. 1987, except for KY, LA, MS, NJ, and VA which are as of Jan. 1988 and reflect elections held in 1987.

⁶ Excludes 1 Independent each for VT and VA; 2 Liberals for NY; 1 vacancy each for HI and KY; and 3 vacancies for LA.

⁷ Status as of Jan. 1989.

⁸ Excludes 1 Independent each for AR and VA; 1 Independent Democrat for MS; 1 vacancy each for CA, MN, MO, and OK; 2 vacancies for LA; and 3 vacancies for AL.

⁹ Excludes 1 Independent for CA and 1 vacancy for SC.

¹⁰ Excludes 3 Independents for AL, and 1 vacancy each for MI, MN, and VA.

¹¹ Excludes 1 Independent for CA; 1 vacancy each for CA, IN, OK, and PA; and 2 vacancies for WI.

¹² Excludes 1 Independent for CA and 1 vacancy for AL.

¹³ Members of both houses serve 4-year terms.

¹⁴ Upper House members serve 4-year terms and Lower House members serve 2-year terms.

¹⁵ Members of both houses serve 2-year terms.

¹⁶ Single chamber (unicameral body) of 49 members, elected without party designation.

Source: The Council of State Governments, Lexington, KY, 1982-1984, *Book of the States*, biennial; beginning 1986, *State Elective Officials and the Legislatures*, biennial. (Copyright.)

Elections

NO. 435. POLITICAL PARTY CONTROL OF STATE LEGISLATURES, BY PARTY: 1961 TO 1989

[As of beginning of year. Until 1972 there were two non-partisan legislatures in Minnesota and Nebraska. Since then only Nebraska has had a non-partisan legislature]

YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—			YEAR	LEGISLATURES UNDER—		
	Democratic control	Split control or tie	Republican control		Democratic control	Split control or tie	Republican control		Democratic control	Split control or tie	Republican control
1961.....	27	6	15	1971.....	23	9	16	1981.....	28	8	15
1963.....	25	7	16	1973.....	27	6	16	1983.....	34	4	11
1965.....	32	10	6	1975.....	37	7	5	1985.....	27	11	11
1967.....	24	8	16	1977.....	36	8	5	1987.....	28	12	9
1969.....	20	8	20	1979.....	30	7	12	1989.....	28	13	8

¹ Two 1984 mid-term recall elections resulted in a change in control of the Michigan State senate. At the time of the 1984 election, therefore, Democrats controlled 33 legislatures.

Source: National Conference of State Legislatures, Denver, CO, *State Legislatures*, November–December 1988.

NO. 436. BLACK ELECTED OFFICIALS, BY OFFICE, 1970 TO 1989, AND BY REGION AND STATE, 1989

[As of January 1989, no Black elected officials had been identified in Idaho, Montana, or North Dakota. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total	U.S. and State legislatures ¹	City and county offices ²	Law enforcement ³	Education ⁴	DIVISION AND STATE	Total	U.S. and State legislatures ¹	City and county offices ²	Law enforcement ³	Education ⁴
1970 (Feb.).....	1,479	179	719	213	368	W. No. Cent.....	214	25	132	22	35
1971 (Mar.).....	1,870	216	909	274	471	Minnesota.....	12	1	4	5	2
1972 (Mar.).....	2,275	224	1,112	263	676	Iowa.....	9	1	4	1	3
1973 (Apr.).....	2,635	256	1,268	334	777	Missouri.....	163	18	112	14	19
1974 (Apr.).....	3,007	256	1,607	340	804	South Dakota.....	3	—	3	—	2
1975 (Apr.).....	3,522	299	1,885	387	951	Nebraska.....	4	1	1	—	—
1976 (Apr.).....	4,006	299	2,284	415	1,008	Kansas.....	23	4	8	2	9
1977 (July).....	4,342	318	2,509	451	1,066	S. So. Atl.....	2,034	122	1,475	109	328
1978 (July).....	4,544	316	2,616	458	1,154	Delaware.....	23	3	14	1	5
1979 (July).....	4,636	315	2,675	491	1,155	Maryland.....	118	28	71	15	4
1980 (July).....	4,963	326	2,871	534	1,232	District of Columbia.....	242	1	233	—	8
1981 (July).....	5,109	343	2,914	558	1,293	Virginia.....	144	11	121	12	—
1982 (July).....	5,241	342	3,017	573	1,309	West Virginia.....	24	1	19	4	—
1983 (July).....	5,719	386	3,283	620	1,430	North Carolina.....	449	15	324	28	82
1984 (Jan.).....	5,865	396	3,367	657	1,445	South Carolina.....	373	21	217	6	129
1985 (Jan.).....	6,312	407	3,689	685	1,531	Georgia.....	482	31	347	21	83
1986 (Jan.).....	6,384	410	3,800	676	1,498	Florida.....	179	11	129	22	17
1987 (Jan.).....	6,646	428	3,949	727	1,542	E. So. Cent.....	1,554	63	1,088	164	239
1988 (Jan.).....	6,793	424	4,089	738	1,542	Kentucky.....	68	2	50	7	9
1989 (Jan.).....	7,190	441	4,388	759	1,602	Tennessee.....	146	14	91	16	25
Region:						Alabama.....	694	23	514	67	90
Northeast.....	709	79	272	104	254	Mississippi.....	646	24	433	74	115
Midwest.....	1,272	96	720	138	318	W. So. Cent.....	1,266	47	734	148	339
South.....	4,854	232	3,297	419	906	Arkansas.....	318	6	188	39	85
West.....	355	34	99	98	124	Louisiana.....	521	20	307	66	128
N. Eng.	119	26	62	3	28	Oklahoma.....	115	5	83	2	25
Maine.....	3	—	2	—	1	Texas.....	312	16	156	39	101
New Hampshire.....	3	3	—	—	—	Mt.	45	12	12	9	12
Vermont.....	2	2	—	—	—	Wyoming.....	2	1	—	—	1
Massachusetts.....	38	6	20	1	11	Colorado.....	14	4	3	4	3
Rhode Island.....	10	6	3	—	1	New Mexico.....	6	1	2	2	5
Connecticut.....	63	9	37	2	15	Arizona.....	12	3	4	—	—
Mid. Atl.	590	53	210	101	226	Utah.....	1	—	—	1	2
New York.....	252	25	50	50	127	Nevada.....	10	3	3	2	2
New Jersey.....	199	9	110	1	79	Pac.	310	22	87	89	112
Pennsylvania.....	139	19	50	50	20	Washington.....	20	3	7	5	5
E. No. Cent.	1,058	71	588	116	283	Oregon.....	9	3	4	2	—
Ohio.....	216	14	124	28	50	California.....	276	15	74	82	105
Indiana.....	68	8	48	3	9	Alaska.....	4	1	2	—	1
Illinois.....	444	25	274	24	121	Hawaii.....	1	—	—	—	—
Michigan.....	306	19	131	57	99						
Wisconsin.....	24	5	11	4	4						

— Represents zero. ¹ Includes elected State administrators. ² County commissioners and councilmen, mayors, vice mayors, aldermen, regional officials, and other. ³ Judges, magistrates, constables, marshals, sheriffs, justices of the peace, and other. ⁴ Members of State education agencies, college boards, school boards and other.

Source: Joint Center for Political Studies, Washington, DC, *Black Elected Officials: A National Roster*, annual. (Copyright.)

Hispanic Public Officials—Women Holding Public Offices

261

NO. 437. HISPANIC PUBLIC OFFICIALS, BY OFFICE, 1983 TO 1988, AND BY STATE, 1988

[For States not shown, no Hispanic public officials had been identified. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	Total	State executives and legislators	County and municipal officials	Judicial and law enforcement	Education and school boards	DIVISION AND STATE	Total	State executives and legislators	County and municipal officials	Judicial and law enforcement	Education and school boards
1983 (July)	1,3063	110	1,276	495	1,173	W.N.C.....	14	2	8	2	2
1985 (Sept.)	1,3147	119	1,316	517	1,185	MN.....	3	-	1	-	-
1986 (Sept.)	1,3202	122	1,352	530	1,188	IA.....	2	-	1	-	-
1987 (Sept.)	1,3317	127	1,412	568	1,199	MO.....	1	-	1	-	-
1988 (Sept.)	1,3360	124	1,425	574	1,226	NE.....	-	-	2	-	-
Region:						KS.....	6	2	3	-	1
Northeast.....	1,137	12	37	4	83	S.A.....	50	10	29	7	4
Midwest.....	85	6	33	9	17	FL.....	50	10	29	7	4
South.....	1,670	36	667	376	567	W.S.C.....	1,620	26	638	369	583
West.....	1,4488	70	688	185	539	LA.....	8	1	2	5	-
N.E.	18	2	10	-	6	OK.....	1	-	1	-	-
MA.....	2	-	-	-	2	TX.....	1,611	25	635	364	583
RI.....	1	1	-	-	-	MT.....	1,004	61	519	135	287
CT.....	15	1	10	-	4	MT.....	3	1	1	1	-
M.A.	1,119	10	27	4	77	WY.....	4	-	4	-	-
NY.....	1,68	8	6	3	50	CO.....	157	9	100	5	43
NJ.....	44	1	19	-	24	NM.....	1,595	41	293	91	168
PA.....	7	1	2	1	3	AZ.....	237	9	115	37	76
E.M.C.	51	4	25	7	15	UT.....	3	-	3	-	-
OH.....	4	-	2	1	1	NV.....	5	1	3	1	-
IN.....	8	1	6	1	-	Pac.....	1,484	9	169	50	252
IL.....	28	3	10	3	12	WA.....	12	1	4	2	5
MI.....	9	-	6	2	1	OR.....	6	1	3	2	-
WI.....	2	-	1	-	1	CA.....	1,466	7	162	46	247

- Represents zero. ¹ Includes U.S. Representatives, not shown separately.

Source: National Association of Latino Elected and Appointed Officials, Washington, DC, *National Roster of Hispanic Elected Officials*, annual.

No. 438. WOMEN HOLDING STATE AND LOCAL PUBLIC OFFICES, BY OFFICE AND STATE: 1975 TO 1989

[For data on women in U.S. Congress, see table 430]

PUBLIC OFFICE	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
State legislature											
Percent of total legislators.....	604	871	908	911	991	996	1,103	1,101	1,170	1,181	1,261
County governing boards.....	8.0	11.6	12.1	12.2	13.3	13.4	14.8	14.8	15.7	15.8	16.9
	451	1,144	1,128	1,397	1,427	1,476	(NA)	(NA)	1,594	1,653	(NA)
STATE	Statewide executive office, ^{1,2} 1989	State legislature, ¹ 1989	County governing boards, 1988	Mayors and municipal council members, 1985	STATE	Statewide executive office, ^{1,2} 1989	State legislature, ¹ 1989	County governing boards, 1988	Mayors and municipal council members, 1985		
U.S.	46	1,261	1,663	14,672	Mississippi.....	-	10	8	176		
Alabama.....	1	8	7	281	Missouri.....	1	29	17			
Alaska.....	-	13	17	233	Montana.....	2	27	18	110		
Arizona.....	3	27	8	87	Nebraska.....	1	10	27	241		
Arkansas.....	2	10	71	365	Nevada.....	1	13	10	15		
California.....	1	18	56	465	New Hampshire.....	-	136	8	113		
Colorado.....	2	29	18	315	New Jersey.....	-	11	15	451		
Connecticut.....	1	41	(X)	240	New Mexico.....	1	15	17	86		
Delaware.....	1	10	2	57	New York.....	-	24	131	797		
District of Columbia.....	(X)	(X)	(X)	7	North Carolina.....	-	25	45	337		
Florida.....	1	27	51	311	North Dakota.....	2	24	11	174		
Georgia.....	-	24	28	251	Ohio.....	1	16	25	1,129		
Hawaii.....	-	18	8	3	Oklahoma.....	-	13	5	312		
Idaho.....	1	31	14	141	Oregon.....	2	18	20	344		
Illinois.....	33	152	-	-	Pennsylvania.....	2	17	35			
Indiana.....	2	22	10	-	Rhode Island.....	1	23	(X)	30		
Iowa.....	2	25	35	732	South Carolina.....	-	15	36	184		
Kansas.....	1	42	24	445	South Dakota.....	2	20	16	149		
Kentucky.....	-	7	17	-	Tennessee.....	-	12	117	144		
Louisiana.....	1	3	32	183	Texas.....	1	19	30	786		
Maine.....	-	57	3	243	Utah.....	-	12	2	137		
Maryland.....	-	41	21	133	Vermont.....	1	55	(X)	87		
Massachusetts.....	1	35	5	217	Virginia.....	1	14	49	211		
Michigan.....	1	22	123	2,779	Washington.....	1	42	15	341		
Minnesota.....	2	37	37	542	West Virginia.....	-	24	11	202		
					Wisconsin.....	-	35	241			
					Wyoming.....	2	22	5	86		

- Represents zero. NA Not available. X Not applicable. ¹ As of May. ² Excludes women elected to the judiciary, university Board of Trustees or Board of Education.

Source: Center for the American Woman and Politics, Eagleton Institute of Politics, Rutgers University, New Brunswick, NJ, information releases.

NO. 439. VOTING-AGE POPULATION, AND PERCENT REPORTING REGISTERED AND VOTED: 1974 TO 1988

[As of November. Covers civilian noninstitutional population 18 years old and over. Includes aliens. Figures are based on Current Population Survey (see text, section 1, and Appendix III), and differ from those in table 443 based on population estimates and official vote counts.]

CHARACTERISTIC	VOTING-AGE POPULATION (mil.)										PERCENT REPORTING THEY REGISTERED										PERCENT REPORTING THEY VOTED															
	1974					1976					1980					1984					Presidential election years		Congressional election years		Presidential election years		Congressional election years									
	1974	1976	1978	1980	1982	1974	1976	1978	1980	1982	1974	1976	1978	1980	1982	1974	1976	1980	1982	1984	1988	1990	1992	1994	1996	1980	1982	1984	1986							
Total ¹	141.3	146.5	151.6	157.1	165.5	170.0	173.9	178.1	182.7	186.3	185.9	186.6	187.3	188.0	188.4	188.8	189.3	189.8	190.3	190.8	191.3	191.8	192.3	192.8	193.3	193.8	194.3	194.8	195.3	195.8	196.3					
18-20 years old	11.6	12.1	12.3	12.1	11.2	10.7	10.7	10.7	10.7	10.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	36.4	34.7	35.0	35.4	35.7	36.7	33.2	20.8	20.1	19.8	18.6					
21-24 years old	14.1	14.9	15.9	16.7	16.7	15.7	14.7	14.7	14.7	14.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	45.3	45.1	47.8	46.6	45.6	43.1	49.5	38.3	26.4	26.2	28.4					
25-34 years old	20.3	31.7	33.4	35.7	40.3	41.9	42.7	42.7	42.7	42.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	57.8	55.7	57.1	55.5	54.6	54.6	55.4	48.0	37.0	38.0	40.4					
35-44 years old	22.4	22.8	23.2	25.6	26.1	30.7	33.0	35.2	35.2	35.2	69.9	70.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	66.7	66.7	67.5	67.9	68.3	68.3	68.7	67.9	50.1	52.2	49.3					
45-64 years old	43.0	43.3	43.6	44.2	44.3	44.8	45.9	45.9	45.9	45.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	73.6	74.3	75.6	74.8	75.0	75.2	76.3	69.3	58.5	62.2	58.7					
65 years and over	21.0	22.0	23.0	24.1	25.6	26.7	27.7	28.8	28.8	28.8	71.4	72.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	70.2	72.8	75.2	76.3	76.3	76.3	76.3	65.1	67.7	68.8	51.4	55.9	50.9			
Male	68.4	69.0	71.5	74.1	78.0	80.3	82.4	84.5	87.1	88.6	67.3	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	62.8	62.8	63.7	63.4	63.4	63.4	63.4	59.6	59.1	59.0	56.4	46.2	46.6			
Female	74.9	77.6	80.2	83.0	87.4	89.5	91.5	93.6	95.1	96.6	67.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	61.7	64.4	65.0	65.0	65.0	65.0	65.0	58.8	59.4	60.0	58.3	43.4	45.3			
White	125.1	129.3	137.7	143.6	146.8	149.9	152.9	157.7	161.9	165.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	63.8	63.8	64.5	64.5	64.5	64.5	64.5	61.4	60.9	61.4	60.9	46.3	47.0			
Black	142.1	149.9	156.4	16.4	17.6	18.4	19.0	19.0	19.0	19.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	54.5	54.5	57.1	57.1	57.1	57.1	57.1	64.0	64.0	63.8	63.8	43.0	43.2			
Hispanic ²	6.1	6.6	8.2	8.2	8.8	9.5	11.8	12.9	13.8	13.8	36.3	40.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	34.9	32.9	35.9	35.9	35.9	35.9	35.9	31.8	29.9	32.6	28.8	22.9	25.3			
Region ³	33.3	35.1	36.4	36.9	37.3	37.3	37.3	37.3	37.3	37.3	65.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	62.5	62.5	62.3	62.3	62.3	62.3	62.3	59.5	58.5	58.5	58.5	57.4	44.4			
Northeast	38.1	39.2	40.3	41.5	41.9	42.1	42.6	43.3	43.3	43.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	65.1	65.1	65.1	65.1	50.5	49.5			
Middle West	44.8	47.1	48.8	50.6	51.4	52.6	53.4	53.4	53.4	53.4	60.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	54.9	54.9	54.9	54.9	36.0	41.8			
South	25.0	27.5	29.5	31.9	33.4	34.6	34.6	34.6	34.6	34.6	63.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	57.5	57.5	57.5	57.5	47.5	50.7			
West																																				
School years completed:																																				
8 years or less	24.4	24.9	23.8	22.7	22.4	20.6	19.6	19.1	19.1	19.1	54.4	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	54.1	54.1	52.3	52.3	52.3	50.5	44.1	42.6	42.9	36.7	34.4	34.6	35.7	32.7		
High school	21.7	22.2	22.5	22.1	22.1	21.4	21.1	21.1	21.1	21.1	55.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	44.4	42.7	42.7	35.1	35.1	35.1			
1-3 years	51.7	55.7	58.4	61.2	65.2	67.8	68.6	68.6	68.6	68.6	66.9	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	54.7	44.7	44.7	45.3	45.3	44.1			
4 years																																				
College:																																				
1-3 years	23.7	23.6	25.1	26.7	28.8	30.9	33.0	34.3	34.3	34.3	75.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	68.9	68.9	70.0	70.0	70.0	67.2	67.2	67.2	64.5	49.8	51.5	53.3	49.9	62.5		
4 years or more	19.8	20.2	22.2	24.0	26.9	28.6	31.3	33.6	33.6	33.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	76.0	76.0	76.9	76.9	76.9	76.9	76.9	79.1	77.6	61.3	63.9	66.5	62.5			
Firm employed:	83.1	86.0	92.0	97.2	104.2	108.5	113.8	118.8	118.8	118.8	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	63.8	63.8	64.4	64.4	64.4	64.4	64.4	62.0	61.8	61.6	58.4	46.8	47.7			
Unemployed:	5.0	6.4	6.9	10.8	7.4	6.6	5.8	5.8	5.8	5.8	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	57.0	57.0	57.0	57.0	46.2	48.7			
Not in labor force	53.2	54.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	61.3	61.3	63.9	63.9	63.9	63.9	63.9	57.0	57.0	57.0	57.0	46.2	48.7			

¹ Includes other races not shown separately.² Hispanic persons may be of any race.³ For composition of regions, see fig. I, inside front cover.Source: U.S. Bureau of the Census, *Current Population Reports*, series P-20, No. 440 and earlier reports.

Voter Registration

263

NO. 440. VOTER REGISTRATION—REGISTERED VOTERS, 1980 TO 1988, AND REGISTRATION DEADLINES AND RESIDENCY REQUIREMENTS, 1988

[Registration figures are based on final and official registration statistics provided by Secretaries of State and State Registrars. The accuracy of registration figures varies according to the stringency of purges conducted in each State and locality. There is, therefore, some inflation in these figures, although the trends between years are likely to be accurate.]

STATE	1980		1984		1988							
	Regis- tered voters (1,000)	Per- cent regis- tered of voting age popula- tion	Regis- tered voters (1,000)	Per- cent regis- tered of voting age popula- tion	Regis- tra- tion dead- line ¹ (days)	Resi- dency re- quire- ment ² (days)	Registered voters		Votes cast			
							Total ³	Per- cent of vot- ing age popula- tion	Demo- crats, per- cent of total regis- tered	Re- publi- cans, per- cent of total regis- tered		
U.S.	4,114,802	69.8	4,126,987	72.8	(x)	(x)	4,129,800	71.1	(NA)	91,595	70.8	
AL	2,132	77.4	2,343	81.0	10	(6)	2,380	79.1	(NA)	1,378	57.9	
AK	259	94.0	305	87.7	30	30	294	76.3	20.5	200	68.1	
AZ	1,121	57.1	1,463	64.8	50	50	1,798	69.0	42.7	1,172	65.2	
AR	1,186	72.9	1,268	74.4	20	(4)	1,203	68.3	(NA)	828	68.8	
CA	11,361	64.8	13,074	68.5	29	29	14,005	67.1	50.4	9,887	70.6	
CO	1,434	67.6	1,621	89.1	25	32	2,030	81.5	30.5	32.9	1,372	67.6
CT	1,706	74.1	1,806	75.0	21	(6)	1,784	71.6	39.1	27.1	1,443	80.9
DE	301	69.7	314	68.6	(7)	(6)	318	65.0	43.6	36.1	250	78.5
DC	289	58.5	275	56.3	30	(8)	300	61.3	79.3	8.8	193	64.3
FL	4,810	63.6	5,574	64.6	30	(6)	6,047	62.9	54.0	39.0	4,302	71.1
GA	2,377	61.4	2,732	64.6	30	(6)	2,941	63.1	(NA)	(NA)	1,810	61.5
HI	403	57.9	419	55.3	30	(6)	444	53.9	(NA)	(NA)	354	79.9
ID	581	90.1	582	84.5	10	30	572	81.7	(NA)	(NA)	409	71.4
IL	6,230	75.7	6,470	76.7	28	30	6,357	74.4	(NA)	(NA)	4,559	71.7
IN	2,944	75.7	3,054	76.4	29	30	2,866	70.5	(NA)	(NA)	2,169	75.7
IA	1,717	81.9	1,729	81.5	10	(9)	1,690	81.7	36.1	31.1	1,226	72.5
KS	1,281	74.7	1,291	72.1	20	(6)	1,266	69.2	28.5	41.3	993	78.4
KY	1,759	67.8	2,023	75.0	30	30	2,026	73.8	67.2	29.4	1,323	65.3
LA	2,015	69.1	2,262	72.4	24	(8)	2,228	70.2	75.2	16.4	1,628	73.1
ME	760	93.8	811	94.7	(8)	(8)	855	95.7	(NA)	(NA)	555	64.9
MD	2,065	67.0	2,253	69.1	29	(6)	2,310	66.2	64.2	27.6	1,714	74.2
MA	3,153	73.7	3,254	73.0	28	(6)	3,275	72.2	(NA)	(NA)	2,633	80.4
MI	5,726	87.7	5,889	89.4	30	30	5,953	87.7	(NA)	(NA)	3,669	61.6
MN	2,353	80.3	2,893	94.9	(6)	20	2,917	92.3	(NA)	(NA)	2,097	71.9
MS	1,482	86.1	1,670	92.6	30	30	1,596	85.5	(NA)	(NA)	932	58.4
MO	2,841	79.5	2,969	80.3	20	(6)	2,942	77.0	(NA)	(NA)	2,094	71.2
MT	496	88.7	527	89.6	30	30	506	86.3	(NA)	(NA)	366	72.3
NE	856	75.8	903	77.2	(6)	(6)	899	77.0	42.1	50.7	661	73.6
NV	297	49.4	356	52.0	30	30	445	57.0	47.0	42.4	350	78.7
NH	523	77.9	544	74.1	10	10	650	79.0	30.4	38.9	451	69.3
NJ	3,766	69.5	4,073	71.3	29	30	4,011	67.5	(NA)	(NA)	3,100	77.3
NM	853	72.6	651	65.4	28	(6)	675	61.3	58.5	35.4	521	77.3
NY	7,898	61.1	9,044	67.7	30	30	8,612	63.9	(NA)	(NA)	6,486	75.3
NC	2,775	65.0	3,271	71.1	10	21	3,432	69.9	(NA)	(NA)	2,134	62.2
ND	(11)	(11)	(11)	(11)	(11)	(11)	30	(11)	(11)	(11)	297	(X)
OH	5,887	76.1	6,356	80.9	29	30	6,323	79.3	(NA)	(NA)	4,394	69.5
OK	1,458	66.2	1,950	81.2	10	(6)	2,199	91.5	65.3	32.1	1,171	53.3
OR	1,569	81.4	1,609	80.8	21	20	1,524	74.3	48.3	38.7	1,202	78.8
PA	5,754	65.5	6,194	68.9	30	30	5,876	64.9	52.2	42.9	4,536	77.2
RI	531	74.9	542	73.5	30	30	549	71.8	(NA)	(NA)	405	73.7
SC	1,236	55.8	1,396	58.4	30	30	1,438	56.7	(NA)	(NA)	986	68.6
SD	448	91.9	443	87.9	15	(6)	440	86.5	42.8	49.2	313	71.1
TN	2,149	64.6	2,580	73.9	29	20	2,417	66.0	(NA)	(NA)	1,636	67.7
TX	6,640	65.6	7,900	69.2	30	30	8,202	66.8	(NA)	(NA)	5,427	68.2
UT	782	83.3	840	82.1	20	30	807	74.9	(NA)	(NA)	647	80.2
VT	312	84.3	322	82.2	17	(6)	348	84.5	(NA)	(NA)	243	68.9
VA	2,302	58.7	2,552	60.2	31	(6)	2,677	63.3	(NA)	(NA)	2,192	76.2
WA	2,182	71.9	2,458	76.1	30	30	2,498	73.1	(NA)	(NA)	1,865	74.6
WV	1,035	74.0	1,025	71.8	30	30	969	69.3	66.1	31.3	653	67.5
WI	(12)	(12)	(12)	(12)	(12)	(12)	10	(12)	(12)	(12)	(X)	2,192
WY	219	66.1	240	67.8	30	(6)	226	64.4	35.8	54.9	177	78.1

NA Not available. X Not applicable. ¹ Number of days prior to a general election by which a prospective voter must register with State or local election officials. ² Number of days a prospective voter must reside in a State to vote in a general election. ³ Includes voters registered with other parties and with no party (independents), not shown separately.

⁴ Estimate based on actual registration statistics from the States which keep registration records. Percentages are the actual percentages of the voting age population who registered in the States, for which actual registration figures are available. The estimates are derived by applying that percentage to the national voting age population figure. ⁵ No residency requirements. ⁶ No durational requirement. To varying degrees, States without durational residency requirements may call for proof of residency or sworn certification of resident status; enforcement of such residency certification often left to discretion of local registration officials.

⁷ Third Saturday in October. ⁸ Election day. ⁹ Second Friday before election day. ¹⁰ Business days. ¹¹ North Dakota does not require registration.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '80-'81, '84-'85, and '88-'89*.

NO. 441. VOTER REGISTRATION IN 11 SOUTHERN STATES, BY RACE: 1980 TO 1986

[In thousands, except percent. Covers population 18 years old and over]

YEAR AND RACE	Total	AL	AR	FL	GA	LA	MS	NC	SC	TN	TX	VA
1980: White	24,981	1,700	1,056	4,331	1,800	1,550	1,152	2,314	916	2,200	6,020	1,942
Black.....	4,254	350	130	489	450	465	330	440	320	300	620	360
Percent of—												
White voting age pop	71.9	81.4	76.9	67.7	83.0	74.8	98.9	70.1	58.5	78.5	75.1	62.2
Black voting age pop	55.8	55.8	57.2	58.3	48.6	60.7	62.3	51.3	53.7	64.0	56.0	53.2
1982: White	22,888	1,657	964	4,200	1,907	1,491	1,055	2,161	862	1,998	4,753	1,820
Black.....	4,302	437	145	500	467	468	340	436	321	310	548	330
1984: ¹ White	27,999	² 1,628	² 1,097	4,983	2,102	1,701	² 1,211	2,622	1,005	² 2,217	² 7,030	² 2,203
Black.....	5,597	² 518	² 171	591	594	561	² 459	619	389	² 362	² 870	² 464
1986: ³ White	² 27,028	² 1,807	³ 1,030	4,677	1,990	1,580	² 1,193	2,468	932	² 2,186	² 7,068	² 2,097
Black.....	² 5,450	² 509	² 157	576	576	551	² 450	585	371	² 358	² 875	² 442
Percent of—												
White voting age pop	69.9	77.5	67.2	66.9	62.3	67.8	91.6	67.4	53.4	70.0	79.0	60.3
Black voting age pop	60.8	68.9	57.9	58.2	52.8	60.6	70.8	58.4	52.5	65.3	68.0	56.2

¹ As of October, except Arkansas as of November. ² Estimated. ³ As of August.Source: Voter Education Project, Inc., Atlanta, GA, *Voter Registration in the South*, semiannual.

NO. 442. POLITICAL PARTY IDENTIFICATION OF THE ADULT POPULATION, BY DEGREE OF ATTACHMENT: 1960 TO 1988

[In percent. Covers citizens of voting-age living in private housing units in the contiguous U.S. Data are from the National Election Studies and are based on a sample (for 1988, 2,040 respondents) and subject to sampling variability; for details, see source]

DEGREE OF ATTACHMENT	1960	1964	1968	1970	1972	1976	1980	1984	1986	1988
	Total	100	100	100	100	100	100	100	100	100
Strong Democrat.....	20	27	20	20	15	15	18	17	18	18
Weak Democrat.....	25	25	25	24	26	25	23	20	22	18
Independent Democrat.....	6	9	10	10	11	12	11	11	10	12
Independent.....	10	8	11	13	13	15	13	11	12	11
Independent Republican.....	7	6	9	8	11	10	10	12	11	13
Weak Republican.....	14	14	15	15	13	14	14	15	15	14
Strong Republican.....	16	11	10	9	10	9	9	12	10	14
Apolitical.....	3	1	1	1	1	1	2	2	2	2

Source: Center for Political Studies, University of Michigan, Ann Arbor, MI, unpublished data.

NO. 443. PARTICIPATION IN ELECTIONS FOR PRESIDENT AND U.S. REPRESENTATIVES: 1932 TO 1988

[As of November. Estimated resident population 21 years old and over, 1932-1970, except as noted, and 18 years old and over thereafter; includes Armed Forces. Prior to 1960, excludes Alaska and Hawaii. District of Columbia is included in votes cast for President beginning 1964 and in votes cast for Representative beginning 1972]

YEAR	Resident population (incl. aliens) of voting age ¹ (1,000)	VOTES CAST			YEAR	Resident population (incl. aliens) of voting age ¹ (1,000)	VOTES CAST			
		For President ² (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)			For President ² (1,000)	Percent of voting-age population	For U.S. Representatives (1,000)	Percent of voting-age population
1932.....	75,768	39,732	52.4	37,657	49.7	1962.....	112,952	(x)	51,267	45.4
1934.....	77,997	(x)	(x)	32,256	41.4	1964.....	114,090	70,645	65,895	57.8
1936.....	80,174	45,643	56.0	42,886	53.5	1966.....	116,638	(x)	52,908	45.4
1938.....	82,354	(x)	(x)	36,296	44.0	1968.....	120,285	73,212	66,288	55.1
1940.....	84,728	49,900	56.8	46,851	55.4	1970.....	124,498	(x)	54,173	43.5
1942.....	86,465	(x)	(x)	28,074	32.5	1972.....	140,777	77,719	55.2	50.7
1944.....	85,654	47,977	56.0	45,103	52.7	1974.....	146,338	(x)	52,495	35.8
1946.....	92,859	(x)	(x)	34,398	37.1	1976.....	152,308	81,556	74,422	48.9
1948.....	95,573	48,794	51.1	45,893	48.1	1978.....	158,369	(x)	55,332	34.9
1950.....	98,134	(x)	(x)	40,342	41.1	1980.....	164,595	86,515	77,995	47.4
1952.....	99,929	61,551	61.6	57,571	57.6	1982.....	169,839	(x)	64,514	38.0
1954.....	102,075	(x)	(x)	42,580	41.7	1984.....	174,467	92,653	83,231	47.7
1956.....	104,515	62,027	59.3	58,426	55.9	1986.....	178,482	(x)	59,619	33.4
1958.....	106,447	(x)	(x)	45,818	43.0	1988.....	182,628	91,595	81,786	44.8
1960.....	109,672	68,838	62.8	64,133	58.5					

X Not applicable. ¹ Population 18 and over in Georgia, 1944-1970, and in Kentucky, 1956-1970; 19 and over in Alaska and 20 and over in Hawaii, 1960-1970. ² Source: 1932-1958, U.S. Congress, Clerk of the House, *Statistics of the Presidential and Congressional Election*, biennial.

Source: Except as noted, U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1019; and Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

Voting-Age Population and Percent Casting Votes

265

No. 444. RESIDENT POPULATION OF VOTING-AGE AND PERCENT CASTING VOTES—STATES: 1980 TO 1988

[As of November. Estimated population, 18 years old and over. Includes Armed Forces stationed in each State, aliens, and institutional population. For composition of regions, see fig. I, inside front cover.]

REGION, DIVISION, AND STATE	VOTING AGE POPULATION (1,000)					PERCENT CASTING VOTES FOR PRESIDENTIAL ELECTORS		PERCENT CASTING VOTES FOR U.S. REPRESENTATIVES							
	1980	1982	1984	1986	1988, proj.		Black	Hispanic ¹	1980	1984	1988	1982	1984	1986	1988
					Total	Percent—									
U.S.	164,595	169,939	174,467	178,482	182,528	11.2	7.1	52.6	53.1	50.2	38.0	47.7	33.4	44.8	
Region:															
Northeast	36,287	36,903	37,522	37,997	38,402	10.1	5.7	52.9	54.6	51.7	39.7	51.1	32.6	46.4	
Midwest	42,194	42,670	43,180	43,610	43,952	8.9	2.3	59.7	58.9	56.1	44.7	56.0	36.9	53.6	
South	54,556	57,235	59,297	61,060	63,032	16.9	6.2	47.3	48.6	45.3	29.4	38.6	26.9	36.5	
West	31,558	33,132	34,469	35,815	37,242	5.2	15.9	51.7	51.9	49.7	42.1	49.3	38.5	46.9	
N.E.	9,144	9,333	9,559	9,738	9,920	4.0	2.4	59.8	58.7	57.8	44.8	55.6	37.4	53.7	
ME	811	829	854	874	893	.3	.4	64.5	64.7	62.2	54.5	63.5	48.3	62.2	
NH	672	699	734	775	823	.6	.6	57.1	53.0	54.8	38.5	50.8	31.1	52.1	
VT	370	382	392	402	412	.3	.7	57.7	59.9	59.0	43.2	57.6	47.0	58.3	
MA	4,278	4,350	4,443	4,497	4,535	4.2	2.5	59.0	57.6	58.1	43.5	52.8	33.4	52.3	
RI	710	720	735	750	764	3.2	2.2	58.6	55.7	53.0	46.2	53.0	40.8	51.2	
CT	2,304	2,353	2,401	2,440	2,492	7.1	3.9	61.0	61.1	57.9	45.5	59.7	40.2	53.8	
M.L.	27,143	27,569	27,963	28,259	28,482	12.3	6.8	50.6	53.2	49.6	37.9	49.6	31.0	43.8	
NY	12,933	13,113	13,301	13,406	13,480	14.5	10.3	48.0	51.2	48.1	35.7	46.7	29.1	40.8	
N.J.	5,422	5,557	5,687	5,812	5,943	12.7	7.3	54.9	56.6	52.2	38.6	52.6	26.7	46.7	
PA	8,878	8,899	8,975	9,041	9,060	8.6	1.2	51.9	54.0	50.1	40.8	51.9	36.6	46.3	
E.N.C.	29,766	30,009	30,322	30,649	30,914	10.8	2.8	58.7	58.1	54.9	43.3	54.8	37.0	52.1	
OH	7,744	7,798	7,841	7,908	7,970	10.0	.9	55.3	58.0	55.1	42.7	55.2	38.8	52.1	
IN	3,892	3,938	3,993	4,032	4,068	7.5	1.4	57.6	55.9	53.3	45.6	54.6	38.6	52.1	
IL	8,235	8,343	8,438	8,501	8,550	14.2	6.6	57.7	57.1	53.3	43.3	54.3	35.5	50.8	
MI	6,520	6,497	6,566	6,691	6,791	13.2	1.6	60.0	57.8	54.0	43.2	52.6	34.8	50.9	
WI	3,375	3,433	3,485	3,517	3,536	3.9	1.3	67.4	63.5	62.0	42.3	59.5	39.3	57.6	
W.N.C.	12,428	12,681	12,858	12,961	13,037	4.4	1.2	62.1	60.9	58.9	48.1	67.3	43.4	57.0	
MN	2,933	3,001	3,058	3,112	3,161	1.3	.8	70.0	68.2	66.3	58.3	64.6	44.8	62.3	
IA	2,099	2,113	2,120	2,098	2,068	1.6	.9	62.8	62.2	59.3	47.5	59.8	42.4	57.5	
MO	3,578	3,635	3,708	3,766	3,821	9.7	.9	58.7	57.3	54.8	42.0	55.0	38.0	54.2	
ND	467	485	493	488	483	.5	.5	64.6	62.7	61.5	53.8	62.7	58.6	62.1	
SD	488	498	508	510	509	.4	.5	67.1	62.6	61.5	55.3	62.2	56.9	61.3	
NE	1,133	1,157	1,172	1,170	1,167	3.0	1.7	56.6	55.6	55.6	44.9	55.5	47.4	56.2	
KS	1,730	1,772	1,798	1,816	1,829	5.2	2.8	56.6	56.8	54.3	42.7	55.3	43.3	51.0	
S.A.	27,273	28,521	29,737	30,872	32,137	18.8	3.8	46.2	47.5	44.3	29.3	38.6	26.8	37.7	
DE	432	444	459	475	490	16.4	1.5	54.7	55.5	51.0	42.4	52.9	33.9	48.0	
MD	3,080	3,164	3,260	3,372	3,491	23.9	1.7	50.0	51.4	49.1	34.5	45.9	31.5	44.7	
DC	495	491	489	488	489	64.8	3.1	35.4	43.1	39.5	22.9	33.1	26.0	35.0	
VA	3,930	4,080	4,235	4,377	4,544	17.8	1.6	47.5	50.7	48.2	32.7	43.4	23.8	41.6	
WV	1,400	1,421	1,422	1,412	1,398	2.9	.4	52.7	51.8	46.7	38.5	49.5	28.0	40.7	
NC	4,274	4,424	4,593	4,738	4,912	20.2	.6	43.4	47.4	43.4	29.9	47.0	33.2	40.4	
SC	2,215	2,305	2,382	2,452	2,534	27.3	.6	40.4	40.7	38.9	28.5	39.0	29.2	39.1	
GA	3,870	4,041	4,231	4,430	4,665	24.4	.9	41.3	42.0	38.8	22.4	35.9	24.0	35.8	
FL	7,578	8,152	8,665	9,127	9,614	11.8	9.4	48.7	48.2	44.7	27.1	28.1	23.5	31.7	
E.S.C.	10,399	10,659	10,881	11,068	11,284	17.8	.4	49.5	50.2	46.7	32.8	41.6	30.5	40.9	
KY	2,596	2,697	2,724	2,746	2,746	6.9	.4	49.9	50.8	48.2	26.4	44.0	23.1	40.2	
TN	3,323	3,406	3,490	3,568	3,681	14.7	.4	48.7	49.1	44.7	34.5	37.7	31.0	38.5	
AL	2,757	2,826	2,947	3,010	3,232	5.5	.5	48.7	49.9	45.8	34.0	39.7	37.9	42.2	
MS	1,723	1,771	1,802	1,830	1,867	31.4	.4	51.8	52.2	49.9	36.2	48.2	28.6	49.2	
W.S.C.	16,884	18,055	18,679	19,120	19,610	13.4	13.9	47.8	49.5	46.2	27.6	36.9	25.1	31.9	
AR	1,628	1,667	1,706	1,731	1,761	13.6	.6	51.5	51.8	47.0	45.6	27.1	38.5	34.4	
LA	2,919	3,064	3,129	3,157	3,175	27.5	2.3	53.0	54.5	51.3	16.9	30.5	12.4	35.5	
OK	2,207	2,371	2,408	2,405	2,404	6.0	2.1	52.1	52.2	48.7	36.1	46.1	30.1	31.9	
TX	10,130	10,852	11,436	11,826	12,270	11.2	21.1	44.8	47.2	44.2	26.0	40.9	25.5	38.1	
Mt.	8,067	8,580	8,987	9,311	9,691	2.4	12.3	53.9	52.8	51.7	41.6	50.5	40.3	49.5	
MT	560	579	591	588	586	2.2	1.2	65.0	65.0	62.5	54.7	62.8	54.1	62.3	
ID	646	668	688	693	701	.5	4.0	67.7	59.9	58.3	48.0	59.0	54.3	58.1	
WY	332	355	354	352	351	.7	4.9	53.3	52.3	50.4	44.9	53.1	45.4	50.7	
CO	2,123	2,268	2,353	2,414	2,489	3.6	10.6	55.8	55.0	55.1	41.7	53.0	42.2	52.8	
NM	900	957	1,002	1,045	1,101	1.6	36.0	50.8	51.3	47.3	41.3	43.9	36.9	40.8	
AZ	1,970	2,116	2,268	2,437	2,605	2.4	14.5	44.4	45.2	45.0	33.6	41.6	33.0	43.2	
UT	935	985	1,023	1,051	1,078	.7	4.2	64.6	61.6	60.0	49.7	58.8	40.8	56.5	
NV	602	652	691	732	780	5.9	7.3	41.2	41.6	44.9	35.9	39.2	35.1	44.1	
Pac.	23,491	24,553	25,502	26,504	27,552	6.2	17.2	51.0	51.6	49.0	42.3	48.8	37.9	46.0	
WA	3,040	3,143	3,228	3,323	3,417	2.3	3.0	57.3	58.4	54.6	41.6	56.0	39.0	50.7	
OR	1,829	1,955	1,984	2,018	2,051	1.4	2.6	61.2	61.9	58.6	51.9	60.6	51.1	49.9	
CA	17,548	18,408	19,181	20,015	20,875	7.5	21.6	48.9	49.6	47.4	41.2	46.7	36.0	44.9	
AK	277	318	351	366	385	3.3	2.2	57.3	59.3	51.9	57.0	58.8	49.2	50.1	
HI	697	729	758	784	824	1.8	6.3	43.5	44.3	43.0	40.9	36.4	42.2	41.3	

¹ Hispanic persons may be of any race.

² State law does not require tabulation of votes for unopposed candidates.

^a See footnote 9, table 422.

Source: Compiled by U.S. Bureau of the Census. Population data from U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 1019; votes cast from Elections Research Center, Washington, DC, *America Votes*, biennial (copyright).

NO. 445. PRESIDENTIAL PRIMARIES—VOTES CAST AND PERCENT OF VOTING-AGE POPULATION CASTING VOTES, BY PARTY: 1988

[Presidential primaries were not held in AK, AZ, CO, DE, HI, IA, KS, ME, MI, MN, NV, UT, WA, and WY]

STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY		VOTES CAST IN REPUBLICAN PRIMARY		STATE	Voting age population (VAP) (1,000)	VOTES CAST IN DEMOCRATIC PRIMARY		VOTES CAST IN REPUBLICAN PRIMARY	
		Total (1,000)	Percent of VAP	Total (1,000)	Percent of VAP			Total (1,000)	Percent of VAP	Total (1,000)	Percent of VAP
AL	3,010	406	13.5	214	7.1	N.J.	5,943	654	11.0	241	4.1
AR	1,761	498	28.3	68	3.9	N.M.	1,101	189	17.1	89	8.1
CA	20,875	3,139	15.0	2,240	10.8	N.Y.	13,480	1,575	11.7	(1)	(1)
CT	2,492	241	9.7	104	4.2	N.C.	4,913	680	13.8	274	5.6
DE	499	86	17.7	7	1.5	N.D.	483	3	6	39	8.1
FL	9,614	1,273	13.2	801	9.4	O.H.	7,970	1,384	17.3	795	9.9
GA	4,665	823	13.4	401	8.6	O.K.	2,404	393	16.3	209	8.7
ID	701	51	7.3	88	8.7	O.R.	2,051	389	19.0	274	13.4
IL	8,550	1,501	17.5	859	10.0	P.A.	9,060	1,508	16.6	871	9.6
IN	4,068	846	15.9	438	10.8	R.I.	784	49	6.4	16	2.1
KY	2,746	319	11.6	121	4.4	S.C.	2,534	(1)	(1)	195	7.7
LA	3,175	624	19.7	145	4.6	S.D.	509	72	14.1	93	18.4
MD	3,491	531	15.2	201	5.8	T.N.	3,661	576	15.7	254	8.9
MA	4,535	713	15.7	241	5.3	T.X.	12,270	1,767	14.4	1,015	8.3
MS	1,867	359	19.3	159	8.5	V.T.	412	51	12.4	48	11.7
MO	3,821	528	13.8	400	10.5	V.A.	4,544	365	8.0	234	5.2
MT	586	122	20.8	86	14.7	W.V.	1,398	340	24.3	143	10.2
NE	1,167	169	14.5	204	17.4	W.I.	3,536	1,015	28.7	359	10.2
NH	823	124	15.0	158	19.2						

¹ No primary held.

Source: Committee for the Study of the American Electorate, Washington, DC, *Non-Voter Study, '88-'89*.

NO. 446. POLITICAL PARTY FINANCIAL ACTIVITY, BY MAJOR POLITICAL PARTY: 1977 TO 1988

[In millions of dollars. Covers financial activity during 2 year calendar period indicated. Some political party financial activities, such as building funds and state and local election spending, are not reported to the source. Also excludes contributions earmarked to federal candidates through the party organizations, since some of those funds never passed through the committees' accounts]

YEAR AND TYPE OF COMMITTEE	DEMOCRATIC				REPUBLICAN			
	Receipts, net ¹	Disbursements, net ¹	Contributions to candidates	Monies spent on behalf of party's nominees ²	Receipts, net ¹	Disbursements, net ¹	Contributions to candidates	Monies spent on behalf of party's nominees ²
1977-1978	26.4	26.9	1.8	.4	84.5	85.0	4.5	4.3
1979-1980, total.....	37.2	35.0	1.7	4.9	169.5	161.8	4.5	12.4
National committee.....	15.1	14.8	(2)	3.9	76.2	73.2	.8	5.4
Senatorial committee.....	1.7	1.6	.5	.6	23.3	21.2	.4	5.0
Congressional committee.....	2.1	2.0	.6	(2)	28.6	26.1	2.0	1.2
Conventions, other national	9.2	7.8	(2)	-	7.6	6.7	.5	-
State and local.....	9.1	8.8	.4	.4	33.8	32.5	.8	.8
1981-1982, total.....	39.3	40.1	1.7	3.3	215.0	214.0	5.6	14.3
National committee.....	16.4	16.5	.1	.1	83.5	84.3	1.7	.2
Senatorial committee.....	5.6	5.6	.5	1.9	48.9	47.7	.6	8.7
Congressional committee.....	6.5	6.5	.6	.2	58.0	57.0	2.6	4.9
Conventions, other national	3.1	3.9	-	-	.6	.9	(2)	-
State and local.....	7.6	7.7	.5	1.1	24.0	24.1	.8	.4
1983-1984, total.....	98.5	97.4	2.6	9.0	297.8	300.8	4.9	20.1
National committee.....	46.6	46.6	.9	2.7	105.9	104.6	.8	6.8
Senatorial committee.....	8.8	8.7	.4	3.9	81.7	83.6	.6	6.7
Congressional committee.....	10.4	10.2	.8	1.1	58.3	61.7	2.6	6.3
Conventions, other national	14.0	13.7	-	-	8.9	8.9	-	-
State and local.....	18.5	18.2	.5	1.3	43.1	41.8	.9	.3
1985-1986, total.....	64.8	85.9	1.7	9.0	255.2	258.9	3.4	14.3
National committee.....	17.2	17.4	(2)	.3	83.8	88.7	.4	(2)
Senatorial committee.....	13.4	13.5	.6	6.1	84.4	83.7	.6	10.0
Congressional committee.....	12.3	12.6	.6	1.5	39.8	40.8	1.7	4.1
Conventions, other national	7.9	8.1	(2)	-	.2	.2	-	-
State and local.....	14.0	14.3	.5	1.0	47.0	47.4	.8	.3
1987-1988, total.....	127.9	121.9	1.7	17.9	263.2	257.0	3.4	22.7
National committee.....	52.3	47.0	.1	8.1	91.0	89.9	.3	8.3
Senatorial committee.....	16.3	16.3	.4	6.2	65.9	63.4	.8	10.2
Congressional committee.....	12.5	12.5	.7	2.4	34.5	33.6	1.6	4.1
Conventions, other national	19.2	19.2	-	-	9.6	9.6	-	-
State and local.....	27.7	27.0	.5	1.2	62.2	60.5	.7	.1

¹ Represents zero. ² Less than \$50,000. ³ Excludes monies transferred between affiliated committees. ⁴ Monies spent in the general election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, Party and Non-Party Political Committees*, biennial.

No. 447. INDEPENDENT EXPENDITURES FOR PRESIDENTIAL AND CONGRESSIONAL CAMPAIGNS:
1979-1980 TO 1987-1988

[In thousands of dollars. Covers campaign finance activity during 2 year calendar period indicated. An "independent expenditure" is money spent to support or defeat a clearly identified candidate. According to Federal election law, such an expenditure must be made without cooperation or consultation with the candidate or his/her campaign. Independent expenditures are not limited as are contributions]

TYPE OF OFFICE AND YEAR	ALL PARTIES			DEMOCRATS		REPUBLICANS		OTHERS	
	Total	For	Against	For	Against	For	Against	For	Against
TOTAL									
1979-1980.....	16,084	13,893	2,191	441	2,057	13,180	123	272	11
1981-1982.....	7,282	2,135	5,147	1,252	4,597	883	550	-	-
1983-1984.....	23,420	19,951	3,468	1,693	1,016	18,257	2,453	1	-
1985-1986.....	10,205	8,832	1,373	3,450	888	5,376	486	6	-
1987-1988.....	21,341	16,654	4,687	2,965	4,248	13,784	439	6	-
PRESIDENTIAL									
1979-1980.....	13,745	12,932	813	123	737	12,538	65	272	11
1981-1982.....	185	184	1	92	1	92	-	-	-
1983-1984.....	17,468	16,638	831	806	487	15,830	344	1	-
1985-1986.....	841	795	45	76	28	719	17	-	-
1987-1988.....	14,127	10,628	3,499	568	3,352	10,054	146	6	-
SENATE									
1979-1980.....	1,654	359	1,295	127	1,283	232	12	-	-
1981-1982.....	4,875	724	4,150	426	3,667	298	484	-	-
1983-1984.....	4,627	2,134	2,493	326	410	1,808	2,082	-	-
1985-1986.....	5,912	4,331	980	988	632	3,943	348	-	-
1987-1988.....	4,401	3,641	761	831	617	2,810	143	(z)	-
HOUSE OF REPRESENTATIVES									
1979-1980.....	685	602	83	191	38	410	45	(z)	-
1981-1982.....	2,221	1,226	995	734	929	492	66	-	-
1983-1984.....	2,325	1,180	145	561	118	619	27	-	-
1985-1986.....	4,053	3,706	347	2,396	227	1,314	120	6	-
1987-1988.....	2,813	2,385	427	1,466	279	920	149	(z)	-

- Represents zero. Z Less than \$500.

Source: U.S. Federal Election Commission, *FEC Index of Independent Expenditures, 1987-88*, May 1989 and press release of May 19, 1989.

No. 448. POLITICAL ACTION COMMITTEES—FINANCIAL ACTIVITY SUMMARY BY COMMITTEE TYPE:
1979 TO 1988

[In millions of dollars. Covers financial activity during 2 year calendar period indicated. Data have not been adjusted for transfers between affiliated committees]

FINANCIAL ITEM AND YEAR	Total	Corporate	Labor	Trade/membership/health	Non-connected	Cooperative	Corporation without stock
RECEIPTS							
1979-1980.....	137.7	33.9	25.7	33.9	40.1	2.8	1.4
1981-1982.....	199.5	47.1	37.6	43.4	64.7	4.1	2.7
1983-1984.....	288.7	66.3	51.1	59.3	102.8	4.5	4.6
1985-1986.....	353.4	82.0	65.3	75.4	118.6	4.7	7.4
1987-1988.....	369.5	96.4	76.0	86.4	97.4	4.6	8.6
DISBURSEMENTS¹							
1979-1980.....	131.2	31.4	25.1	32.0	38.6	2.7	1.3
1981-1982.....	190.2	43.3	34.8	41.9	64.3	3.8	2.1
1983-1984.....	266.8	59.2	47.5	54.0	97.4	4.5	4.2
1985-1986.....	340.0	79.3	57.9	73.3	118.4	4.7	6.4
1987-1988.....	349.6	89.0	70.4	81.6	97.0	4.4	7.2
CONTRIBUTIONS TO CANDIDATES							
1979-1980.....	60.2	21.6	14.2	17.0	5.2	1.5	.7
1981-1982.....	87.6	29.4	20.9	22.9	11.0	2.2	1.1
1983-1984.....	113.0	39.0	26.2	28.3	15.3	2.6	1.5
1985-1986.....	139.8	49.6	31.0	34.6	19.4	2.7	2.6
1987-1988.....	159.4	56.3	35.5	41.2	20.3	2.7	3.3
INDEPENDENT EXPENDITURES, 1987-1988							
Total.....	20.2	.1	.2	3.9	15.8	(z)	.3
For candidates.....	15.8	(z)	.2	2.3	13.1	(z)	.2
Against candidates.....	4.4	(z)	(z)	1.6	2.7	-	.1

- Represents zero. Z Less than \$50,000. ¹ Comprises contributions to candidates, independent expenditures, and other disbursements.

Source: U.S. Federal Election Commission, press release of April 9, 1989.

No. 449. POLITICAL ACTION COMMITTEES—NUMBER, BY COMMITTEE TYPE: 1975 TO 1988

[As of December 31, except 1975 as of November 24]

YEAR	Total	Corporate	Labor	Trade/ membership/ health	Non- connected	Coop- erative	Corpo- ration without stock
1975.....	722	139	226				357
1976.....	1,146	433	224				489
1977.....	1,360	550	234	438	110	8	20
1978.....	1,653	785	217	453	162	12	24
1979.....	2,000	950	240	514	247	17	32
1980.....	2,551	1,206	297	576	374	42	56
1981.....	2,901	1,329	318	614	531	41	68
1982.....	3,371	1,469	380	649	723	47	103
1983.....	3,525	1,598	378	643	793	51	122
1984.....	4,008	1,692	394	698	1,053	52	130
1985.....	3,992	1,710	388	695	1,003	54	142
1986.....	4,157	1,744	384	745	1,077	56	151
1987.....	4,165	1,775	364	865	957	59	145
1988.....	4,268	1,816	354	786	1,115	59	138

Source: U.S. Federal Election Commission, press release of January 13, 1989.

No. 450. PRESIDENTIAL CAMPAIGN FINANCES—FEDERAL FUNDS FOR GENERAL ELECTION, 1979 TO 1988, AND POLITICAL ACTION COMMITTEE (PAC) CONTRIBUTIONS, 1987–1988

[In millions of dollars. Covers campaign finance activity during 2 year calendar period indicated. Based on disclosure documents submitted by candidates, their principal campaign committees, and other authorized committees. Figures adjusted to eliminate refunds and rebates, refunded contributions, loan repayments, and transfers to or from affiliated committees]

NET FEDERAL FUNDS DISTRIBUTED						PAC CONTRIBUTIONS, 1987-1988			
1979-1980		1983-1984		1987-1988		TYPE OF COMMITTEE	Total	Democratic	Republi- can
Candidate	Amount	Candidate	Amount	Candidate	Amount				
Total....	62.7	Total....	80.3	Total....	82.2	Total....	3.4	1.6	1.8
Anderson ¹	4.2	Mondale.....	40.2	Bush.....	46.1	Corporate.....	1.8	.6	1.2
Carter.....	29.4	Reagan.....	40.1	Dukakis.....	46.1	Labor.....	.6	.6	(2)
Reagan.....	29.2					Trade/membership/health.....	.3		
						Nonconnected.....	.5	.1	.2
						Cooperative.....	.1	.3	
						Corporation without stock.....	.1	(2)	(2)

Z. Less than \$50,000. ¹ John Anderson, as the candidate of a new party, was permitted to raise funds privately. Total receipts for the Anderson campaign, including Federal funds, were \$17.6 million and total expenditures were \$15.6 million.

Source: U.S. Federal Election Commission, press releases of November 15, 1981, June 4, 1986, and April 9, 1989; and unpublished data.

No. 451. PRESIDENTIAL CAMPAIGN FINANCES—PRIMARY CAMPAIGN RECEIPTS AND DISBURSEMENTS: 1979 TO 1988

[In millions of dollars. For 1979-1980 and 1983-1984, covers campaign finance activity during 2 year calendar period indicated. For 1987-1988, covers activity for 18-month period ending June 30, 1988. Covers candidates who received Federal matching funds]

PARTY AND CANDIDATE	RECEIPTS			Disbursements	PARTY AND CANDIDATE	RECEIPTS			Disbursements
	Total ¹	Individual contributions	Federal matching funds			Total ¹	Individual contributions	Federal matching funds	
Total:									
1979-1980.....	94.2	61.0	30.9	92.3	Democrat-ic:				
1983-1984 ²	105.0	62.8	34.9	103.6	1979-1980.....	35.6	23.9	10.3	35.6
1987-1988 ³	187.9	133.1	58.8	194.4	1983-1984.....	77.5	46.2	24.6	77.4
Republican:					1987-1988.....	85.7	57.2	25.2	83.5
1979-1980.....	58.5	37.1	20.5	56.7	Babbitt.....	3.4	2.3	1.0	3.1
1983-1984.....	27.1	16.4	10.1	25.9	Dukakis.....	28.5	19.3	8.7	26.3
1987-1988.....	111.1	75.4	33.1	109.9	Gephardt.....	9.6	6.1	2.7	9.6
Bush.....	31.7	22.3	8.3	29.3	Gore.....	11.6	6.9	3.3	11.3
Dole.....	26.1	16.8	7.4	26.0	Hart.....	4.4	2.3	1.1	3.7
DuPont.....	8.1	5.4	2.6	8.0	Jackson.....	17.2	11.7	4.7	17.2
Haig.....	2.0	1.4	.5	2.0	LaRouche.....	3.5	2.8	.7	3.4
Kemp.....	16.1	10.0	5.5	15.8	Simon.....	9.2	5.9	3.0	8.8
Robertson.....	28.8	19.5	8.9	28.8					

¹ Includes other types of receipts, not shown separately. ² Includes Citizens Party candidate not shown separately. ³ Includes a minor party candidate who sought several party nominations.

Source: U.S. Federal Election Commission, FEC Reports on Financial Activity, Final Report, Presidential Pre-Nomination Campaigns, quadrennial and press release of August 18, 1988.

Congressional Campaign Finances and Contributions

269

NO. 452. CONGRESSIONAL CAMPAIGN FINANCES—RECEIPTS AND DISBURSEMENTS: 1983 TO 1988

[Covers all campaign finance activity during 2 year calendar period indicated for primary, general, run-off, and special elections. For 1983-1984 relates to 1,782 House of Representatives candidates and 254 Senate candidates; for 1985-1986 to 1,611 House of Representatives candidates and 262 Senate candidates; for 1987-1988 to 1,581 House of Representatives candidates and 210 Senate candidates. Data have been adjusted to eliminate transfers between all committees within a campaign. For further information on legal limits of contributions, see Federal Election Campaign Act of 1971, as amended]

ITEM	HOUSE OF REPRESENTATIVES						SENATE					
	Amount (mil. dol.)			Percent distribution			Amount (mil. dol.)			Percent distribution		
	1983-1984	1985-1986	1987-1988	1983-1984	1985-1986	1987-1988	1983-1984	1985-1986	1987-1988	1983-1984	1985-1986	1987-1988
Total receipts ¹	222.5	257.7	277.4	100.0	100.0	100.0	174.7	214.4	199.1	100.0	100.0	100.0
Individual contributions	108.0	127.6	129.8	48.5	49.5	46.8	110.3	140.1	127.8	63.1	65.3	64.2
Other committees	75.7	87.4	101.9	34.0	33.9	36.7	29.7	45.3	46.1	17.0	21.1	23.2
Candidate loans	18.0	20.9	23.1	8.1	8.1	8.3	21.4	6.2	8.3	12.2	2.9	4.1
Candidate contributions	3.4	4.8	4.7	1.5	1.9	1.7	3.7	1.9	6.8	2.1	.9	3.4
Democrats	121.4	139.8	159.8	54.6	54.3	57.6	84.2	91.8	107.4	48.2	42.8	53.9
Republicans	100.5	117.7	116.6	45.2	45.7	42.0	90.3	122.5	91.3	51.7	57.1	45.9
Others	.5	.1	1.0	.2	(2)	.4	.2	.1	.3	.1	(2)	.2
Incumbents	132.4	149.7	175.5	59.5	58.1	63.3	74.8	90.3	98.3	42.8	42.1	49.4
Challengers	55.5	49.2	52.0	25.0	19.1	18.7	38.9	67.2	56.2	22.3	31.3	28.2
Open seats ²	34.6	58.8	49.9	15.5	22.8	18.0	61.0	56.9	44.6	34.9	26.5	22.4
Total disbursements	203.6	239.3	256.6	100.0	100.0	100.0	170.5	211.6	201.1	100.0	100.0	100.0
Democrats	111.0	128.7	145.1	54.5	53.8	56.5	82.0	89.0	107.6	48.1	42.0	53.5
Republicans	91.8	110.5	110.5	45.1	46.2	43.1	88.3	122.6	93.2	51.8	57.9	46.4
Others	.7	.1	.9	.3	(2)	.4	.2	(2)	.3	.1	(2)	.1
Incumbents	114.9	132.5	156.5	56.5	55.4	61.0	72.1	89.3	101.3	42.3	42.2	50.3
Challengers	54.7	48.8	51.0	26.9	20.4	19.9	38.3	66.2	55.9	22.5	31.3	27.8
Open seats ²	33.9	58.0	49.0	16.7	24.2	19.1	60.1	56.1	44.0	35.3	26.5	21.9

¹ Less than \$50,000 or .05 percent.

¹ Includes other types of receipts, not shown separately.

² Elections in which an

incumbent did not seek re-election.

Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, U.S. Senate and House Campaigns, biennial*.

NO. 453. CONTRIBUTIONS TO CONGRESSIONAL CAMPAIGNS BY POLITICAL ACTION COMMITTEES (PAC), BY TYPE OF COMMITTEE: 1979 TO 1988

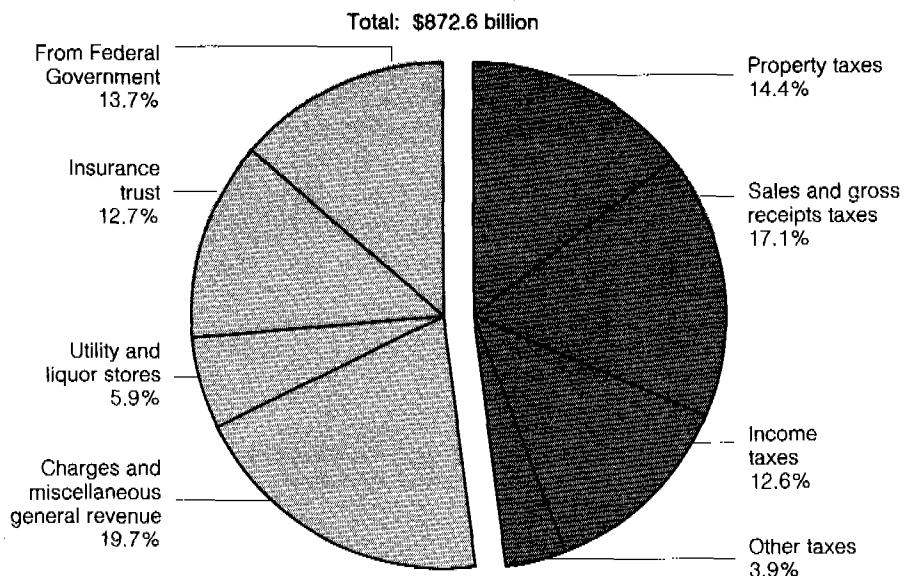
[In millions of dollars. Covers amounts given to candidates in primary, general, run-off, and special elections during the two-year calendar period indicated. For number of political action committees, see table 451]

TYPE OF COMMITTEE	HOUSE OF REPRESENTATIVES						SENATE					
	Total	Democrats	Republi-cans	Incum-bents	Chal-leng-ers	Open seats ¹	Total	Democ-rats	Re-publi-cans	Incum-bents	Chal-leng-ers	Open seats ¹
1979-1980, total	37.9	20.5	17.2	24.9	7.9	5.1	17.3	8.4	9.0	8.6	6.6	2.1
1981-1982, total ²	61.1	34.2	26.8	40.8	10.9	9.4	22.6	11.2	11.4	14.3	5.2	3.0
Corporate	18.9	7.0	12.0	14.4	2.0	2.6	8.6	2.4	6.2	5.5	1.7	1.4
Trade association ³	16.8	7.2	9.7	12.4	2.1	2.3	5.0	2.2	2.8	3.7	.8	.5
Labor	15.4	14.7	.7	8.5	4.3	2.6	4.9	4.5	.4	3.0	1.3	.5
Non-connected ⁴	7.4	3.9	3.5	3.4	2.5	1.6	3.3	1.6	1.7	1.5	1.3	.5
1983-1984, total ²	75.7	46.3	29.3	57.2	11.3	7.2	29.7	14.0	15.6	17.9	6.3	5.4
Corporate	23.4	10.4	13.1	18.8	2.6	2.0	12.0	3.2	8.8	8.8	1.1	2.2
Trade association ³	20.4	10.5	9.9	16.5	2.1	1.7	6.3	2.7	3.7	4.5	.9	1.0
Labor	19.8	18.8	1.0	14.3	3.5	2.0	5.0	4.7	.3	1.6	2.3	1.2
Non-connected ⁴	9.1	4.7	4.4	4.9	2.9	1.3	5.4	3.0	2.4	2.4	2.0	1.0
1985-1986, total ²	87.4	54.7	32.6	65.9	9.1	12.4	45.3	20.2	25.1	23.7	10.2	11.4
Corporate	26.9	12.9	14.0	22.9	1.0	3.0	19.2	4.8	14.4	11.7	2.7	4.9
Trade association ³	23.4	12.3	11.2	19.3	1.3	2.8	9.5	3.8	5.7	5.7	1.6	2.1
Labor	22.6	21.1	1.6	14.7	4.3	3.6	7.2	6.6	6	2.2	3.2	1.9
Non-connected ⁴	11.1	6.6	4.5	6.1	2.4	2.6	7.7	4.2	3.4	3.1	2.4	2.2
1987-1988, total	102.3	67.6	34.6	82.4	10.0	9.9	45.6	24.1	21.5	28.7	8.0	8.9
Corporate	31.7	16.3	15.3	28.7	1.1	1.9	18.8	4.2	11.6	12.9	2.4	3.7
Trade association ³	28.6	16.6	12.0	24.6	1.5	2.5	10.3	4.8	5.6	7.1	1.2	2.0
Labor	26.9	24.9	2.0	18.4	5.1	3.4	7.1	6.5	5	3.6	2.2	1.3
Non-connected ⁴	11.3	7.4	3.9	7.3	2.1	1.9	7.8	4.8	3.0	4.2	2.0	1.6
Cooperative	2.0	1.3	.7	1.8	.1	.1	.6	.3	.3	.4	.1	.1
Corporation without stock	1.8	1.1	.7	1.6	.1	.1	1.0	.5	.5	.7	.1	.2

¹ Elections in which an incumbent did not seek re-election. ² Includes other types of political action committees not shown separately. ³ Includes membership organizations and health organizations. ⁴ Represents "ideological" groups as well as other issue groups not necessarily ideological in nature.

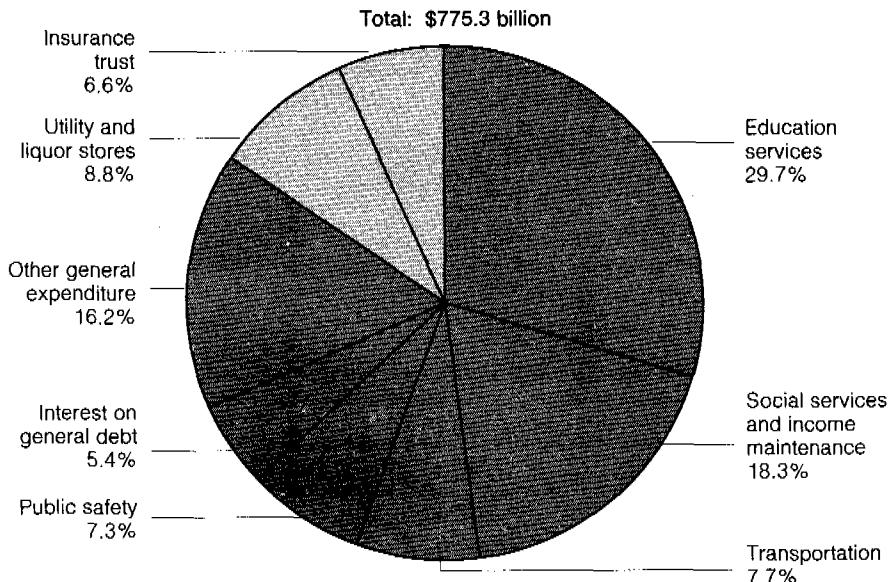
Source: U.S. Federal Election Commission, *FEC Reports on Financial Activity, Final Report, U.S. Senate and House Campaigns, biennial*.

Figure 9.1

Distribution of State and Local Government Revenue, by Source: 1987

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 462.

Figure 9.2

Distribution of State and Local Government Expenditures, by Sector: 1987

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 462.



Section 9

State and Local Government Finances and Employment

This section presents data on revenues, expenditures, debt, and government employment of State and local governments. Nationwide statistics relating to State and local governments, their numbers, finances, and employment, are compiled primarily by the Bureau of the Census through a program of censuses and surveys. Every fifth year (for years ending in "2" and "7") the Bureau conducts a Census of Governments involving collection of data for all governmental units in the United States. In addition, the Bureau conducts annual surveys which cover all the State governments and a sample of local governments.

Publications issued annually by the Bureau of the Census include a report on governmental finances which presents figures for the Federal Government, nationwide totals for State and local governments, by type, and State-local data by States. Also issued annually are a series of publications on State, city, county, and school finances, and on city, county, and other public employment. Financial data are published in the GF publication series; employment data in the GE series. There is also a series of quarterly reports covering tax revenue, and of finances of major public employee retirement systems, as well as a series (GSS) of special studies. *Recurrent Publications on Governments* describes the publication program.

Basic information for Census Bureau statistics on governments is obtained by mail canvass from State and local officials; however, financial data for each of the State governments and for many of the large local governments are compiled from their official records and reports by Census Bureau personnel. In over half of the States, all or part of local government financial data are obtained through central collection arrangements with State governments. Financial data on the Federal Government is based on the *Budget* published by the Office of Management and Budget (see page 307).

Governmental units.—The governmental structure of the United States includes, in addition to the Federal Government and the States, thousands of local governments—counties, municipalities, townships, school districts, and numerous kinds of "special districts." As shown by table 454, almost 83,200 local governments were identified by the 1987 Census of Governments. As defined by the census, governmental units include all agencies or bodies having an organized existence, governmental character, and substantial autonomy. While most of these governments can impose taxes, many of the special districts—such as independent public housing authorities, the New York Port Authority, and numerous local irrigation, power, and other types of districts—are financed from rentals, charges for services, benefit assessments, grants from other governments, toll charges, and other nontax sources. The count of governments excludes semi-autonomous agencies through which States, cities, and counties sometimes provide for certain functions—for example, "dependent" school systems, State institutions of higher education, and certain other "authorities" and special agencies which are under the administrative or fiscal control of an established governmental unit.

Finances.—Unless otherwise stated, financial data relate to fiscal years ending in the year shown. Most States end their fiscal year June 30; however Alabama and Michigan end their fiscal years Sept. 30; New York, March 31; and Texas, Aug. 31. The Federal Government ended the fiscal year June 30 until 1976 when its fiscal year, by an act of Congress, was revised to extend from Oct. 1 to Sept. 30. A three-month quarter (July 1 to Sept. 30, 1976) bridged the transition. Beginning 1963, local government figures are for fiscal years which close at various dates during the 12 months ended June 30 of the year specified (exceptions are school districts in Alabama, which close Sept. 30 of the specified year; school districts in Texas, which close Aug. 31 of year cited; and Washington, DC which ends its fiscal year Sept. 30); figures for 1962 and earlier years are for fiscal years ended during the calendar year.

Nationwide government finance statistics have been classified and presented in terms of uniform concepts and categories, rather than according to the highly diverse terminology, organization, and fund structure utilized by individual governments. Accordingly, financial statistics which appear here for the Federal Government and for individual States or local governments have been standardized and may not agree directly with figures appearing in the original sources.

Statistics on governmental finances distinguish among general government, utilities, liquor stores, and insurance trusts. *General government* comprises all activities except utilities, liquor stores, and insurance trusts. Utilities include government water supply, electric light and power, gas supply, and transit systems. Liquor stores are operated by 17 States and by local governments in five States. Insurance trusts relate to employee retirement, unemployment compensation, and other social insurance systems administered by the Federal, State, and local governments.

Data for cities relate only to municipal corporations and their dependent agencies, and do not include amounts for other local governments overlying city areas. Therefore, expenditure figures for "education" do not include spending by the separate school districts which administer public schools within most municipal areas. Variations in the assignment of governmental responsibility for public assistance, health, hospitals, public housing, and other functions to a lesser degree also have an important effect upon reported amounts of city expenditure, revenue, and debt. Therefore, any intercity comparisons based upon these figures should be made with caution, and with due recognition of variations that exist among urban areas in the relative role of the municipal corporation.

Employment and payrolls.—These data are based mainly on mail canvassing of State and local governments. Payroll includes all salaries, wages, and individual fee payments for the month specified, and employment relates to all persons on governmental payrolls during a pay period of the month covered—including paid officials, temporary help, and (unless otherwise specified) part-time as well as full-time personnel. Beginning 1986, statistics for full-time equivalent employment have been computed with a formula using hours worked by part-time employees. A payroll based formula was used prior to 1985. Full-time equivalent employment statistics were not computed for 1985. Figures shown for individual governments cover major dependent agencies such as institutions of higher education, as well as the basic central departments and agencies of the government.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 454. NUMBER OF GOVERNMENTAL UNITS, BY TYPE OF GOVERNMENT: 1942 TO 1987

[See text, section 9]

TYPE OF GOVERNMENT	1942	1952 ¹	1957 ¹	1962	1967	1972	1977	1982	1987
Total	155,116	116,807	102,392	91,237	81,299	78,269	79,913	81,831	83,237
U.S. Government.....	1	1	1	1	1	1	1	1	1
State government.....	48	50	50	50	50	50	50	50	50
Local governments.....	155,067	166,756	102,341	91,186	81,248	78,218	79,862	81,780	83,186
County.....	3,050	3,052	3,050	3,043	3,049	3,044	3,042	3,041	3,042
Municipal.....	16,220	16,807	17,215	18,000	18,048	18,517	18,862	19,076	19,200
Township and town.....	18,919	17,202	17,198	17,142	17,105	16,991	16,822	16,734	16,691
School district.....	108,579	67,355	50,454	34,678	21,782	15,781	15,174	14,851	14,721
Special district.....	8,299	12,340	14,424	18,323	21,264	23,885	25,962	28,078	29,532

¹Adjusted to include units in Alaska and Hawaii which adopted statehood in 1959.

Source: U.S. Bureau of the Census, *Census of Governments: 1987*, vol. 1, No. 1, *Governmental Organization, 1982*, vol. 6, No. 4, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Census of Governments, 1987*, vol. 1, No. 1, *Government Organization*.

Revenue, Expenditure, and Debt

273

NO. 455. ALL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT: 1980 TO 1987

[For fiscal years ending in year shown; see text, section 9. Local government amounts are estimates subject to sampling variation; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 652-848.]

ITEM AND YEAR	All governments (bil. dol.)	FEDERAL ¹		STATE AND LOCAL (bil. dol.)		AVERAGE ANNUAL PERCENT CHANGE ²			PER CAPITA ³ (dollars)			
		Total (bil. dol.)	Percent of total	Total	State	Local	Federal	State	Local	Total	Federal	State and local
Revenue: ⁴ 1980	\$ 932	565	60.7	\$ 452	277	258	10.6	12.0	11.2	\$ 4,115	2,496	1,923
1985	1,419	807	56.9	720	439	402	7.4	9.7	9.3	5,943	3,379	3,016
1986	1,516	848	55.9	783	481	435	5.1	9.5	8.0	6,286	3,515	3,249
1987	1,678	953	56.8	843	517	469	12.4	7.4	7.9	6,893	3,914	3,462
Intergovernmental: 1980	(x)	2	(x)	64	102	(x)	12.3	13.3	(x)	8	367	
1985	(x)	2	(x)	90	128	69	1.6	6.9	6.2	(x)	8	445
1986	(x)	2	(x)	99	147	107	10.7	9.7	6.6	(x)	9	469
1987	(x)	2	(x)	102	156	16.3	3.9	6.1	(x)	10	472	
General, own sources:												
1980	717	417	58.2	299	169	130	9.8	11.4	9.7	3,163	1,842	1,321
1985	1,050	559	53.2	492	276	216	6.0	10.3	10.7	4,400	2,339	2,061
1986	1,107	578	52.3	528	295	233	3.6	6.9	8.1	4,591	2,399	2,191
1987	1,236	665	53.8	571	317	254	14.9	7.5	8.8	5,077	2,730	2,347
Taxes: ⁴ 1980	574	351	61.1	223	137	86	9.2	11.1	8.3	2,535	1,548	986
1985	804	454	56.4	350	216	134	5.3	9.5	9.3	3,369	1,902	1,468
1986	845	472	55.8	373	228	145	3.9	5.6	7.8	3,505	1,957	1,547
1987	945	539	57.1	405	247	158	14.3	8.3	9.1	3,881	2,216	1,665
Property: 1980	68	-	(x)	68	3	66	(x)	10.2	7.1	302	-	302
1985	104	-	(x)	104	4	100	(x)	6.6	8.8	435	-	435
1986	112	-	(x)	112	4	107	(x)	9.3	7.6	483	-	463
1987	121	-	(x)	121	5	117	(x)	5.9	8.6	498	-	498
Individual income: 1980	286	244	85.3	42	37	5	10.4	15.0	11.9	1,263	1,077	186
1985	401	331	82.5	70	64	6	6.3	11.5	5.3	1,681	1,386	295
1986	423	349	82.4	74	67	7	5.5	5.6	7.7	1,758	1,447	308
1987	476	393	82.4	84	76	8	12.5	12.7	11.0	1,957	1,613	344
Corporate income:												
1980	78	65	82.9	13	13	-	7.0	13.6	-	344	285	59
1985	80	61	76.2	19	18	2	-1.0	5.8	(x)	337	257	80
1986	83	63	76.0	20	18	2	3.0	4.2	4.4	345	262	83
1987	107	84	78.7	23	21	2	32.9	12.7	22.6	438	345	93
Sales or gross receipts: 1980	112	\$ 32	28.6	80	68	12	5.8	9.6	14.7	494	\$ 141	353
1985	176	\$ 49	28.0	126	105	21	8.9	9.2	11.7	735	\$ 206	529
1986	182	\$ 47	25.8	135	112	23	-4.3	6.6	8.0	755	\$ 195	560
1987	193	\$ 48	25.1	144	120	24	2.9	6.6	8.1	792	\$ 199	593
Current charges and miscellaneous: 1980	142	67	46.7	76	33	44	14.3	12.9	13.3	629	294	335
1985	246	104	42.5	142	60	82	9.4	13.3	13.3	1,031	438	593
1986	262	107	40.7	155	67	88	2.0	11.3	8.5	1,086	442	644
1987	291	125	43.0	166	70	96	17.4	5.0	8.3	1,196	514	682
Expenditures: ⁴ 1980	5959	617	64.4	343	258	261	11.5	11.7	10.9	\$ 4,232	2,724	1,916
1985	1,561	1,032	65.3	656	391	391	10.8	8.7	8.4	\$ 6,622	4,323	2,756
1986	1,696	1,096	64.6	718	424	428	6.2	8.6	9.5	\$ 7,035	4,548	2,976
1987	1,810	1,149	63.5	775	456	464	4.8	7.4	8.4	\$ 7,436	4,719	3,185
Intergovernmental: 1980	(x)	91	(x)	85	2	14.6	11.3	10.8	(x)	401	8	
1985	(x)	107	(x)	122	4	3.4	7.6	18.1	(x)	449	8	
1986	(x)	116	(x)	132	5	7.8	8.6	18.9	(x)	480	9	
1987	(x)	112	(x)	141	5	-3.6	7.2	9.3	(x)	458	10	
Direct: ⁴ 1980	859	526	54.9	432	173	259	11.0	11.9	10.9	4,292	2,323	1,908
1985	1,581	925	58.5	656	269	387	11.9	9.2	8.4	6,622	3,874	2,748
1986	1,696	981	57.8	715	292	423	6.0	8.6	9.4	7,035	4,068	2,967
1987	1,810	1,037	57.3	773	314	459	5.7	7.5	8.4	7,436	4,261	3,175
Current operation: 1980	517	209	40.5	308	108	200	7.8	13.3	11.6	2,282	923	1,359
1985	833	360	43.3	472	172	300	11.5	9.7	8.5	3,498	1,509	1,979
1986	898	386	43.0	511	186	325	7.3	8.2	8.4	3,724	1,603	2,121
1987	962	412	42.8	550	200	350	6.7	7.3	7.7	3,983	1,693	2,260
Capital outlay: 1980	99	36	36.7	63	23	40	7.4	5.8	9.2	439	161	278
1985	157	77	49.1	80	31	49	16.1	5.6	4.5	657	323	335
1986	176	86	48.6	90	35	56	11.2	12.7	13.5	730	355	375
1987	195	97	49.6	98	37	61	13.1	7.7	9.2	802	398	404
Debt outstanding: ⁷ 1980	1,250	914	73.2	336	122	214	9.4	11.3	7.7	5,517	4,036	1,481
1985	2,396	1,827	76.3	569	212	357	14.9	11.7	10.8	10,036	7,655	2,382
1986	2,788	2,130	76.4	659	248	411	16.5	16.9	15.3	11,565	8,833	2,733
1987	3,073	2,354	76.6	719	266	453	10.5	7.3	10.2	12,624	9,672	2,953

⁻ Represents zero. ^X Not applicable. ¹ Data adjusted to system for reporting State and local data and therefore differ from figures in section 10 tables. ² Represents average for period of intervals shown; for 1980, change from 1970. For explanation, see Guide to Tabular Presentation. Minus sign (--) indicates decrease. ³ 1980 based on enumerated resident population as of April 1; 1985, 1986, and 1987 based on estimated resident population as of July 1. Excludes intergovernmental amounts. ⁴ Includes amounts, not shown separately. ⁵ Aggregates exclude duplicative transactions between levels of government; see source. ⁶ Includes customs. ⁷ End of fiscal year.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 82(6)-4); and *Government Finances*, series GF, No. 5, annual.

No. 456. ALL GOVERNMENTS—REVENUE AND EXPENDITURE, BY LEVEL OF GOVERNMENT: 1987

[For fiscal year ending in year shown, see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 505-637 and Y 652-848.]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	All governments (mil. dol.)	Federal (mil. dol.)	State (mil. dol.)	Local (mil. dol.)	PERCENT		PER CAPITA ¹ (dol.)	
					Federal	State and local	Federal	State and local
Revenue	2,177,737	952,631	516,941	2,469,317	100.0	100.0	3,914	3,462
Intergovernment revenue	(²)	2,487	102,381	156,285	.3	13.7	10	472
Revenue from own sources	1,677,737	950,144	414,561	313,033	99.7	86.4	3,904	2,989
General revenue from own sources	1,235,685	664,517	317,106	254,062	69.8	67.8	2,730	2,347
Percent of total revenue	79.7	69.8	61.3	54.1	(X)	(X)	(X)	(X)
Taxes ³	944,549	539,400	246,933	158,216	56.6	48.1	2,216	1,665
Property	121,227	(X)	4,809	116,818	(X)	14.4	(X)	498
Individual income	476,238	392,557	75,965	7,716	41.2	9.9	1,613	344
Corporation income	106,598	83,926	20,724	1,947	8.8	2.7	345	93
Sales and gross receipts	182,716	48,423	119,838	24,455	5.1	17.1	199	593
Customs duties	15,138	15,138	(X)	(X)	1.6	(X)	62	(X)
General sales and gross receipts	96,773	(X)	79,638	17,135	(X)	11.5	(X)	398
Selective sales and gross receipts ⁴	80,805	33,285	40,200	7,320	3.5	5.6	137	195
Motor fuel	28,106	11,952	15,705	448	1.3	1.9	49	66
Alcoholic beverages	9,495	6,135	3,091	269	.7	.4	25	14
Tobacco products	9,742	4,937	4,605	200	.5	.6	20	20
Public utilities	15,557	5,435	5,987	4,135	.6	1.2	22	42
Motor vehicle and operators' licenses	9,657	(X)	9,037	620	(X)	1.2	(X)	40
Death and gift	10,557	7,493	3,035	29	.8	.4	31	13
Charges and misc. general revenue ³	291,136	125,117	70,173	95,846	13.1	19.7	514	682
Current charges ³	169,074	76,875	31,900	54,299	8.1	10.2	316	354
National defense and international relations	6,925	6,925	(X)	(X)	.7	(X)	28	(X)
Postal service	30,626	30,626	(X)	(X)	3.2	(X)	126	(X)
Education ³	24,976	-	18,116	6,860	-	3.0	-	103
School lunch sales	3,026	(X)	10	3,016	(X)	.4	(X)	12
Higher education	20,231	-	17,884	2,347	-	2.4	-	83
Natural resources	26,558	25,369	798	391	2.7	-	104	5
Hospitals	24,224	142	6,759	17,323	(Z)	2.9	1	99
Sewerage and sanitation	11,996	(X)	2	11,996	(X)	1.4	(X)	49
Parks and recreation	2,519	48	567	1,903	(Z)	.3	(Z)	10
Housing and community development	5,950	3,813	214	2,124	.4	.3	15	10
Air transportation	3,865	59	354	3,452	(Z)	.5	(Z)	16
Water transport and terminals	1,901	597	333	971	.1	.2	2	5
Special assessments	2,386	(X)	129	2,257	(X)	.3	(X)	9
Sale of property	6,880	5,933	234	713	.6	.1	24	4
Interest earnings	52,297	15,398	18,829	18,070	1.6	4.4	63	152
Utility revenue	46,477	(X)	2,964	43,512	(X)	5.5	(X)	191
Liquor stores	3,333	(X)	2,812	521	(X)	.4	(X)	14
Insurance trust revenue	392,242	285,627	91,978	14,936	30.0	12.7	1,173	438
Expenditure	2,180,006	1,148,654	455,696	2,463,826	100.0	100.0	4,719	3,185
Intergovernment expenditure	(²)	111,511	141,426	5,234	9.7	.3	458	10
Direct expenditure	1,810,006	1,037,143	314,270	458,592	90.3	99.7	4,261	3,175
General expenditure	1,374,297	720,689	262,513	391,095	62.8	84.3	2,961	2,685
Percent of total expenditure	75.9	62.7	57.8	84.3	(X)	(X)	(X)	(X)
Education ³	240,686	14,028	61,647	165,010	1.2	29.2	58	931
Elementary and secondary education	156,782	-	1,301	155,480	-	20.2	-	644
Higher education	60,240	-	50,710	9,530	-	7.8	-	247
Public welfare	106,277	26,187	61,123	18,967	2.3	10.3	108	329
Health and hospitals	72,488	15,517	27,202	29,789	1.4	7.4	64	234
Highways	52,822	623	31,486	20,711	.1	6.7	3	214
Police protection	28,720	4,036	3,636	21,049	.4	3.2	17	101
Fire protection	10,910	(X)	(X)	10,910	(X)	1.4	(X)	45
Corrections	17,561	924	10,771	5,866	.1	2.2	4	68
Natural resources ⁴	105,282	84,566	9,230	11,486	7.4	2.7	347	85
Sewerage and sanitation	21,323	(X)	406	20,918	(X)	2.8	(X)	88
Housing and community development	21,304	9,538	1,308	10,458	.8	1.5	39	48
Governmental administration	44,125	9,230	13,339	21,557	.8	4.5	38	143
Interest on general debt	187,971	146,155	16,583	23,233	12.7	5.4	600	172
Other	464,826	409,885	23,779	31,162	35.7	7.1	1,684	226
Utility expenditure	65,509	(X)	5,971	59,537	(X)	8.5	(X)	269
Liquor stores expenditure	2,931	(X)	2,470	461	(X)	.4	(X)	12
Insurance trust expenditure	367,269	316,454	43,318	7,499	27.6	6.6	1,300	209
By character and object:								
Current operation	962,187	412,126	199,659	350,402	35.9	71.0	1,693	2,260
Capital outlay	195,147	96,871	37,208	61,068	8.4	12.7	398	404
Construction	85,019	12,403	28,174	45,442	1.1	9.5	51	302
Equip., land and existing structures	109,129	64,468	9,035	15,628	7.4	3.2	347	101
Assistance and subsidies	89,147	65,537	14,705	8,904	5.7	3.1	269	97
Interest on debt (general and utility)	196,256	146,155	19,382	30,719	12.7	6.5	600	206
Insurance benefits and repayments	367,269	316,454	43,316	7,499	27.6	6.6	1,300	209
Expenditure for salaries and wages	403,586	129,262	81,261	193,062	11.3	35.4	531	1,127

[—] Represents or rounds to zero. X Not applicable. Z Less than .05 percent or \$50. Population as of July 1. ² Aggregates exclude duplicative transactions between source. ³ Includes amounts not shown separately. ⁴ Includes parks and recreation.

¹ Based on estimated resident levels of government; see

Expenditures for Capital Outlay and Public Works

275

NO. 457. ALL GOVERNMENTS—EXPENDITURE FOR CAPITAL OUTLAY, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1970 TO 1987

[In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Except for 1982, local government data are estimates subject to sampling variation; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 523-524, Y 673-674, Y 740-741, and Y 767-788]

LEVEL AND FUNCTION	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total	47,519	66,622	99,386	116,499	129,637	148,478	143,094	156,912	176,096	195,147
Federal Government:										
Total	17,869	21,798	36,492	48,903	62,835	80,744	72,456	77,014	85,647	96,871
Annual percent change ¹	-6.0	4.1	8.7	34.0	28.5	28.5	-10.3	6.3	11.2	13.1
As percent of direct expenditure..	9.7	7.5	6.9	7.8	8.8	10.3	8.7	8.3	8.7	9.3
By function:										
National defense ²	14,027	14,507	28,161	39,441	52,958	69,697	60,382	64,154	71,995	78,222
Education	9	2	97	1	19	26	58	39	5	13
Highways	9	70	132	115	84	153	187	121	204	173
Health and hospitals	166	311	673	606	827	1,146	1,016	916	1,180	1,327
Natural resources	1,691	3,416	4,046	5,097	4,963	4,500	4,435	4,092	3,651	4,058
Housing ³	853	1,059	317	376	613	1,080	1,471	1,936	2,515	3,642
Air transportation	234	363	151	285	115	283	249	249	391	494
Water transportation ⁴	285	251	1,003	868	780	634	482	563	245	315
All other	595	1,819	1,912	2,124	2,476	3,225	4,176	4,389	5,481	8,627
State and local governments:										
Total	29,650	44,824	62,894	67,598	66,802	67,734	70,638	79,898	90,449	98,276
Annual percent change ¹	5.0	8.6	18.2	7.5	-1.2	1.4	4.3	13.1	13.2	8.7
As percent of direct expenditure..	20.0	16.7	14.5	13.9	12.6	12.0	11.8	12.2	12.6	12.7
By function:										
Education ⁵	7,621	9,861	10,737	11,327	10,855	10,880	11,596	13,477	15,490	17,801
Higher education	2,705	2,834	2,972	3,474	3,696	3,403	3,855	4,629	5,217	6,169
Elementary and secondary	4,658	6,532	7,362	7,441	6,864	7,200	7,258	8,358	10,009	11,325
Highways	10,762	13,646	19,133	19,334	18,178	18,627	20,269	23,900	26,807	26,260
Health and hospitals	790	1,781	2,443	2,559	2,503	2,450	2,366	2,709	2,810	3,056
Natural resources	789	1,113	1,052	1,017	1,072	1,311	1,414	1,736	1,803	2,006
Housing ³	1,319	1,821	2,248	2,689	3,259	2,921	3,104	3,217	3,516	3,520
Air transportation	691	852	1,391	1,438	1,374	1,408	1,814	1,875	2,183	2,609
Water transportation ⁴	258	419	623	878	698	716	585	717	911	867
Sewerage	1,385	3,569	6,272	6,911	5,922	5,806	5,664	5,926	6,461	7,306
Parks and recreation ⁶	684	1,261	2,023	2,072	2,029	2,100	1,962	2,196	2,554	2,835
Utilities ⁶	2,437	4,846	9,933	11,562	12,484	12,870	12,599	13,435	15,340	15,392
Water	1,201	2,111	3,335	3,784	3,689	3,821	3,498	4,160	5,134	6,020
Electric	820	1,485	4,572	4,980	5,603	5,292	5,153	5,247	6,127	4,989
Transit	366	1,203	1,921	2,617	3,072	3,615	3,873	3,830	3,830	4,127
Gas	50	48	105	181	120	143	135	198	250	257
Other	2,915	5,656	7,039	7,809	8,427	8,634	9,265	10,711	12,573	14,624

¹ Change from immediate prior year. ² Includes international relations and U.S. service schools. ³ Includes community development. ⁴ Includes terminals. ⁵ Includes other education. ⁶ Beginning 1980, includes outlays by State governments.

Source: U.S. Bureau of the Census, *Census of Governments: 1977 and 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment, and Government Finances*, series GF No. 5, annual.

NO. 458. FEDERAL, STATE, AND LOCAL GOVERNMENT SPENDING ON PUBLIC WORKS: 1980 AND 1987

[In millions of dollars, except percent. Public works include expenditures on highways, airports and air traffic control, mass transit, water resources, wastewater, water supply, and solid waste. Represents expenditures from own funds, excluding intergovernmental grants. Data compiled from the Public Works Data Base]

LEVEL AND TYPE OF EXPENDITURE	Total	Highways	Air-ports	Mass transit	Water re-sources	Waste water	Water supply	Solid waste
CURRENT DOLLARS								
1980: Total	78,211	33,869	5,048	8,564	6,282	10,286	10,815	3,347
Federal	25,688	9,490	3,139	3,453	3,735	4,720	1,151	-
State	18,483	15,121	275	1,208	1,369	188	322	-
Local	34,040	9,258	1,635	3,902	1,178	5,378	9,342	3,347
Percent: Capital expenditures	49.8	57.3	32.6	32.6	51.3	64.8	44.1	12.7
Operations and maintenance	50.2	42.7	67.4	67.4	48.7	35.2	55.9	87.3
1987: Total	124,852	52,547	8,814	15,122	7,731	15,265	18,709	6,463
Federal	28,891	13,474	4,856	3,340	3,551	3,320	350	-
State	29,489	23,570	386	2,641	2,384	400	108	-
Local	66,272	15,503	3,572	9,142	1,795	11,545	18,252	6,463
Percent: Capital expenditures	42.2	53.8	36.0	22.2	35.2	50.5	34.1	16.4
Operations and maintenance	57.8	46.2	64.0	77.8	64.8	49.5	65.9	83.6
CONSTANT (1984) DOLLARS								
1980: Total	96,483	41,618	6,296	10,625	7,746	12,588	13,390	4,221
Federal	31,159	11,395	3,925	4,224	4,576	5,659	1,380	-
State	22,898	18,745	341	1,475	1,704	234	400	-
Local	42,426	11,477	2,030	4,927	1,467	6,694	11,610	4,221
Percent: Capital expenditures	48.3	55.8	31.4	31.4	49.8	63.5	42.7	12.0
Operations and maintenance	51.7	44.1	68.6	68.6	50.2	36.5	57.3	88.0
1987: Total	113,886	48,207	8,032	13,743	7,041	13,987	17,032	5,844
Federal	26,773	12,574	4,426	3,086	3,258	3,102	327	-
State	26,886	21,495	352	2,418	2,158	365	98	-
Local	60,228	14,138	3,254	8,240	1,625	10,521	16,607	5,844
Percent: Capital expenditures	43.2	54.8	36.9	22.9	36.1	51.5	34.9	16.9
Operations and maintenance	56.8	45.2	63.1	77.1	63.9	48.5	65.1	83.1

- Represents zero.

Source: Apogee Research, Inc., Bethesda, MD, unpublished data.

NO. 459. FEDERAL GRANTS-IN-AID—SUMMARY: 1970 TO 1991

[For fiscal year ending in year shown; see text, section 9. Minus sign (–) indicates decrease]

YEAR	CURRENT DOLLARS						CONSTANT (1982) DOLLARS	
	Total grants (bil. dol.)	Average annual percent change ¹	Grants to individuals		Grants as percent of—			
			Total (bil. dol.)	Percent of total grants	State-local govt. outlays ²	Federal outlays	Gross national product	Total grants (bil. dol.)
1970	24.0	17.2	8.6	35.8	19.0	12.3	2.4	61.2
1975	49.8	15.7	16.4	33.0	22.6	15.0	3.3	87.1
1978	77.9	16.1	24.2	31.0	26.5	17.0	3.6	108.7
1979	82.9	6.4	26.8	32.4	25.8	16.5	3.4	106.7
1980	91.5	10.4	31.9	34.9	25.8	15.5	3.4	105.9
1981	94.8	3.6	36.9	39.0	24.7	14.0	3.2	100.7
1982	88.2	-7.0	27.9	42.9	21.6	11.8	2.8	88.2
1983	92.5	4.9	41.6	45.0	21.3	11.4	2.8	88.8
1984	97.8	5.5	44.3	45.4	20.9	11.5	2.6	90.2
1985	105.9	8.5	48.1	45.4	20.9	11.2	2.7	94.0
1986	112.4	6.1	52.8	47.0	20.5	11.3	2.7	97.0
1987	108.4	-3.5	56.4	52.0	18.2	10.8	2.4	90.7
1988	115.3	6.4	61.0	52.9	18.2	10.8	2.4	92.5
1989, est.	123.6	7.2	66.5	53.8	(NA)	10.9	2.4	94.7
1990, proj.	123.6	-	67.3	54.4	(NA)	10.7	2.3	91.1
1991, proj.	126.1	2.0	70.2	55.7	(NA)	10.4	2.2	89.5

— Represents or rounds to zero. NA Not available. ¹ Average annual percent change from prior year shown. For explanation, see Guide to Tabular Presentation. 1970, change from 1965. ² Outlays as defined in the national income and product accounts.

Source: Advisory Commission on Intergovernmental Relations, Washington, DC, *Significant Features of Fiscal Federalism, 1989 Edition*, vol. II, based on *Budget of the United States Government, FY 90, Special Analysis H*.

NO. 460. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS: 1970 TO 1989

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Includes trust funds. Minus sign (–) indicates previously disbursed funds returned to the Federal Government. See *Historical Statistics, Colonial Times to 1970*, series Y 638-651, for related data]

TYPE OF AID, FUNCTION, AND MAJOR PROGRAM	1970	1975	1980	1984	1985	1986	1987	1988	1989, est. ¹
Grant-in-aid shared revenue.....	¹ 24,065	49,791	91,451	97,577	105,897	112,357	108,392	115,294	123,563
National resources and environment.....	37	74	93	95	157	177	193	188	232
Environmental Protection Agency.....	411	2,437	5,363	3,779	4,069	4,255	4,073	3,747	3,736
Energy.....	194	2,025	4,603	2,922	3,197	3,419	3,251	2,895	2,870
Agriculture.....	25	43	499	534	529	538	455	457	437
Transportation ²	604	404	569	1,832	2,420	1,932	2,092	2,069	1,715
Airports.....	4,599	5,864	13,067	15,013	17,055	18,366	16,919	18,083	18,188
Highways.....	83	292	590	694	789	853	917	825	1,123
Railroads.....	4,395	4,702	9,209	10,522	12,841	14,109	12,649	13,926	13,509
Urban mass transit.....	—	(7,02)	54	34	35	22	22	22	25
Commerce and housing credit.....	105	689	3,129	3,716	3,904	3,299	3,253	3,227	3,434
Community and regional development ²	4	2	3	2	2	2	1	1	—
Appalachian development.....	1,780	2,842	6,486	5,157	5,221	4,861	4,235	4,267	4,316
Community development block grants.....	184	306	335	209	198	154	141	141	101
Urban renewal.....	(X)	38	3,902	3,819	3,817	3,326	2,967	3,050	3,065
Education, employment, training, social services ²	1,054	1,374	214	24	28	13	—	—	—
Compensatory education for the disadvantaged ³	6,417	12,133	21,862	16,669	17,817	18,953	18,657	19,882	22,359
School improvement programs ³	1,470	2,184	3,370	3,067	4,194	3,392	3,199	4,016	4,207
Bilingual immigrant and refugee education ³	86	332	523	570	479	576	785	384	877
Federally affected areas impact aid.....	—	93	166	112	111	98	103	130	124
Vocational and adult education.....	622	577	622	567	629	678	695	694	710
Library and learning resources.....	285	653	854	719	633	1,008	1,225	1,261	807
Work incentives.....	105	210	158	80	79	98	122	94	113
Social services—block grants to States.....	81	304	383	259	274	227	137	90	97
Human development.....	574	2,047	2,763	2,789	2,743	2,671	2,688	2,666	2,689
Employment and training assistance.....	390	803	1,548	1,717	1,807	1,831	1,771	1,997	2,249
Temporary employment assistance.....	954	2,504	6,191	2,555	2,775	3,019	2,929	2,958	3,070
Health ²	3,849	8,810	15,758	21,897	24,451	26,823	29,466	32,586	36,615
Alcohol, drug abuse, and mental health ⁴	146	590	879	501	501	494	622	720	927
Medicaid ⁴	2,727	6,840	13,957	20,061	22,655	24,996	27,435	30,462	34,292
Income security ²	5,795	9,352	18,495	25,678	27,153	29,070	29,972	31,620	33,389
Assistance payment program ⁴	4,142	5,121	7,273	8,799	9,169	9,877	10,540	10,764	11,322
Food stamps—administration.....	559	136	413	732	886	968	1,108	1,113	1,373
Child nutrition and special milk programs ⁴	379	1,565	3,388	3,361	3,480	3,678	3,922	4,158	4,491
Housing assistance ⁴	436	1,326	3,435	5,750	6,407	7,418	7,375	8,618	9,166
Veterans benefits and services.....	18	33	90	66	91	90	95	106	128
Administration of justice.....	42	725	529	69	95	133	234	338	359
General government ⁵	479	7,072	8,616	6,849	6,938	7,159	2,000	1,950	2,090
General revenue sharing.....	(X)	6,130	6,829	4,567	4,584	5,114	76	(–2)	(Z)

— Represents zero. X Not applicable. Z Less than \$500,000. ¹ Includes \$5 million for international affairs subsequently provided to a private institution. ² Includes items not shown separately. ³ The 1983 Budget proposed dismantlement of the Dept. of Education (DOD). Budget data for elementary and secondary education previously performed by DOD are included in the Foundation for Education Assistance under compensatory education for the disadvantaged, school improvement (formerly titled "Special programs and populations") programs and bilingual immigrant and refugee education. ⁴ Includes grants for payments to individuals. ⁵ Includes general purpose fiscal assistance.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

Federal Aid to State and Local Government

277

No. 461. FEDERAL AID TO STATE AND LOCAL GOVERNMENTS—SELECTED PROGRAMS, BY STATE: 1988

[In millions of dollars, except per capita. For fiscal year ending Sept. 30]

DIVISION, STATE, AND OUTLYING AREAS	FEDERAL AID ¹		OE ³ compensatory education ⁴	EPA ⁵ waste treat- ment facilities con- struction	HHS ⁶		HUD ⁸		ETA ¹⁰ employ- ment/ train- ing	Dept. of Transpor- ta- tion, highway trust fund
	Total	Per cap- ita ² (dol.)			Family Support Adminis- tration ⁷	Medic- aid	Lower income hos- ting assis- tance ⁹	Community develop- ment		
Total ¹¹	114,610	460	4,016	2,511	13,211	30,321	6,541	3,050	2,966	13,819
New England	6,901	532	199	193	837	2,093	584	171	132	791
Maine	665	551	21	14	91	223	40	19	13	66
New Hampshire	396	363	9	26	26	96	32	8	7	61
Vermont	324	582	11	10	46	80	17	5	7	45
Massachusetts	3,328	567	100	89	431	1,063	293	95	63	282
Rhode Island	844	647	14	20	68	187	71	11	12	99
Connecticut	1,542	476	44	34	175	444	131	33	30	258
Middle Atlantic	21,615	574	750	579	2,583	7,455	1,433	578	445	1,588
New York	12,494	698	427	345	1,525	5,014	795	294	208	674
New Jersey	3,328	431	125	87	390	947	316	85	87	229
Pennsylvania	5,793	482	198	147	668	1,494	322	199	150	685
East North Central	17,784	422	597	527	2,753	5,070	979	531	612	1,633
Ohio	4,693	432	135	199	676	1,475	280	140	156	383
Indiana	1,960	352	60	77	60	667	104	59	79	243
Illinois	4,670	405	189	111	634	1,031	310	189	159	518
Michigan	4,243	456	155	64	923	1,194	174	92	160	325
Wisconsin	2,228	459	57	56	460	703	111	51	58	164
West North Central	7,758	437	204	193	865	1,985	396	207	178	1,132
Minnesota	2,120	492	45	52	291	678	118	51	43	253
Iowa	1,199	423	31	32	163	312	41	33	29	199
Missouri	1,942	378	60	56	201	438	115	64	56	239
North Dakota	462	697	9	7	33	121	25	7	9	85
South Dakota	443	620	11	7	29	93	26	10	10	78
Nebraska	712	445	19	21	63	152	35	17	12	111
Kansas	880	354	30	18	85	191	36	25	19	167
South Atlantic	16,991	400	631	387	1,398	4,111	981	458	427	2,303
Delaware	319	483	13	14	23	55	27	7	7	61
Maryland	2,004	442	64	70	192	499	146	52	48	338
District of Columbia	1,615	2,605	19	18	73	197	55	32	17	68
Virginia	1,961	327	73	43	172	420	144	53	51	327
West Virginia	1,056	561	34	60	117	239	55	19	27	184
North Carolina	2,299	352	90	35	195	690	136	64	76	224
South Carolina	1,354	388	58	41	109	366	69	37	41	160
Georgia	2,964	463	100	42	247	755	135	70	56	445
Florida	3,419	276	179	64	270	890	194	124	104	476
East South Central	7,038	459	289	108	466	1,967	370	170	224	884
Kentucky	1,788	474	67	25	152	514	95	46	56	188
Tennessee	2,225	452	77	36	141	730	111	44	64	270
Alabama	1,721	417	75	20	84	359	97	53	67	294
Mississippi	1,324	504	70	27	89	364	67	27	37	132
West South Central	9,720	362	469	158	628	2,645	558	300	267	1,244
Arkansas	1,011	417	48	15	61	322	51	24	31	101
Louisiana	2,135	483	94	26	165	692	107	62	56	269
Oklahoma	1,406	431	39	27	109	394	90	33	32	198
Texas	5,168	308	288	89	293	1,237	310	181	138	676
Mountain	5,781	434	163	78	427	1,004	296	120	153	973
Montana	546	679	12	9	45	104	30	10	13	101
Idaho	477	477	14	9	31	91	16	11	13	105
Wyoming	448	950	6	8	18	28	10	2	7	61
Colorado	1,241	377	39	12	102	260	66	26	28	225
New Mexico	831	550	28	8	55	170	45	15	19	97
Arizona	1,177	339	42	9	89	140	80	27	48	212
Utah	725	429	14	11	71	160	21	21	14	118
Nevada	336	317	8	12	16	51	28	8	11	54
Pacific	16,238	435	557	245	3,075	3,911	801	396	443	1,600
Washington	2,170	470	56	32	315	518	73	48	61	372
Oregon	1,322	482	41	19	141	252	55	24	39	148
California	11,676	415	495	165	2,525	2,985	601	312	319	904
Alaska	593	1,156	13	10	44	64	46	9	12	114
Hawaii	477	436	12	19	50	92	26	3	12	62
Outlying areas	2,717	6,558	130	40	83	80	144	123	98	51

¹ Includes other amounts not shown separately. ² Based on Bureau of the Census estimated resident population as of July 1.

³ Office of Education. ⁴ For the disadvantaged. ⁵ Environmental Protection Agency. ⁶ Department of Health and Human Services. ⁷ Includes work incentives, family support payments (Aid to Families with Dependent Children), community service block grant, low income home energy assistance, refugee assistance, and assistance for legalized aliens. ⁸ Department of Housing and Urban Development. ⁹ Includes public housing, housing payments (section 8) to public agencies, and college housing. ¹⁰ Employment and Training Administration, Job Training Partnership Act. ¹¹ Includes \$2,058 million undistributed by State (programs shown here which are affected are compensatory education (\$28 million), family support administration (\$98 million), public housing (\$17 million), lower income housing assistance (\$18 million), community development (~\$5 million), employment/training (\$1 million), and highway trust fund (\$1,621 million)).

NO. 462. STATE AND LOCAL GOVERNMENTS—SUMMARY OF FINANCES: 1980 TO 1987

[For fiscal year ending in year shown, see text, section 9. Local government amounts included here are estimates subject to sampling variations; see Appendix III and source. See also *Historical Statistics, Colonial Times to 1970*, series Y 652-709]

SOURCE OF REVENUE AND TYPE OF EXPENDITURE	TOTAL (mil. dol.)			PER CAPITA (dol.) ¹			PERCENT DISTRIBUTION		
	1980	1986	1987	1980	1986	1987	1980	1986	1987
Revenue²	451,537	783,349	842,589	1,993	3,249	3,462	100.0	100.0	100.0
From Federal Government	83,029	113,099	114,996	366	469	472	18.4	14.4	13.7
Public welfare	24,921	42,194	45,440	110	175	187	5.5	5.4	5.4
Highways	8,980	14,142	13,243	40	59	54	2.0	1.8	1.6
Education	14,435	18,040	18,453	64	75	76	3.2	2.3	2.2
Employment security administration	2,056	2,801	2,805	9	12	12	.5	.4	.3
Revenue sharing	6,844	4,424	2,476	30	18	10	1.5	.6	.3
Other and undistributable	25,793	31,494	32,578	114	131	134	5.7	4.0	3.9
From State and local sources	388,509	670,251	727,593	1,627	2,780	2,989	81.6	85.6	88.3
General, net intergovernmental	299,293	528,359	571,168	1,321	2,191	2,347	66.3	67.5	67.8
Taxes	223,463	373,051	405,149	986	1,547	1,665	49.5	47.6	48.1
Property	68,499	111,710	121,227	302	463	498	15.2	14.3	14.4
Sales and gross receipts	79,927	135,001	144,293	353	560	593	17.7	17.2	17.1
Individual income	42,080	74,354	83,681	186	308	344	9.3	9.5	9.9
Corporation income	13,321	19,982	22,872	59	83	93	3.0	2.6	2.7
Other	19,636	32,004	33,277	87	133	137	4.3	4.1	4.0
Charges and miscellaneous	75,830	155,304	166,019	335	644	682	16.8	19.8	19.7
Utility and liquor stores	25,560	47,163	49,810	113	196	205	5.7	6.0	5.9
Water supply system	6,766	13,260	14,442	30	55	59	1.5	1.7	1.7
Electric power system	11,387	22,846	24,331	50	95	100	2.5	2.9	2.9
Transit system	2,397	4,453	4,770	11	18	20	.5	.6	.6
Gas supply system	1,809	3,291	2,933	8	14	12	.4	.4	.4
Liquor stores	3,201	3,313	3,333	14	14	14	.7	.4	.4
Insurance trust revenue ³	43,656	94,729	106,615	193	393	438	9.7	12.1	12.7
Employees retirement	25,441	69,365	79,255	112	288	326	5.6	8.9	9.4
Unemployment compensation	13,529	18,267	18,925	60	76	78	3.0	2.3	2.3
Direct expenditure	432,328	715,324	772,863	1,908	2,967	3,176	100.0	100.0	100.0
By function:									
Direct general expenditure ³	367,340	603,489	653,608	1,621	2,503	2,685	85.0	84.4	84.6
Education ³	133,211	210,619	226,658	588	874	931	30.8	29.5	29.3
Elementary and secondary education	92,930	145,111	156,782	410	602	644	21.5	20.3	20.3
Higher education	33,919	56,535	60,240	150	234	247	7.8	7.9	7.8
Highways	33,311	49,368	52,199	147	205	214	7.7	6.9	6.8
Public welfare	45,552	73,785	80,090	201	306	329	10.5	10.3	10.4
Health	8,387	15,550	16,864	37	64	69	1.9	2.2	2.2
Hospitals	23,787	37,954	40,108	105	157	165	5.5	5.3	5.2
Police protection	13,494	22,685	24,684	60	94	101	3.1	3.2	3.2
Fire protection	5,718	9,587	10,910	25	40	45	1.3	1.4	1.4
Natural resources	5,509	9,074	9,738	24	38	40	1.3	1.3	1.3
Sanitation and sewerage	13,214	19,142	21,323	58	79	88	3.1	2.7	2.8
Housing and community development	6,062	11,285	11,766	27	47	48	1.4	1.6	1.5
Parks and recreation	6,520	10,164	10,978	29	42	45	1.5	1.4	1.4
Financial administration	6,719	11,897	12,841	30	49	53	1.6	1.7	1.7
General control	8,697	15,800	17,201	38	66	70	2.0	2.2	2.2
Interest on general debt ⁴	14,747	37,064	41,816	65	154	172	5.2	5.2	5.4
Utility and liquor stores ⁴	36,191	65,297	68,440	160	271	281	8.4	9.1	8.9
Water supply system	9,228	16,196	18,353	41	67	75	2.1	2.3	2.4
Electric power system	15,016	28,182	28,472	66	117	117	3.5	3.9	3.7
Transit system	7,641	14,761	15,804	34	61	65	1.8	2.1	2.1
Gas supply system	1,715	3,291	2,879	8	14	12	.4	.5	.4
Liquor stores	2,591	2,867	2,931	11	12	12	.6	.4	.4
Insurance trust expenditure ³	28,797	46,538	50,815	127	193	209	6.7	6.5	6.6
Employees retirement	14,008	26,521	29,614	62	110	122	3.2	3.7	3.8
Unemployment compensation	12,070	14,887	15,248	53	62	63	2.8	2.1	2.0
By character and object:									
Current operation	307,811	511,378	550,061	1,359	2,121	2,260	71.2	71.5	71.2
Capital outlay	62,694	90,449	96,276	278	375	404	14.5	12.7	12.7
Construction	51,492	67,968	73,616	227	282	302	11.9	9.5	9.5
Equipment, land, and existing structures	11,402	22,482	24,661	50	93	101	2.6	3.2	3.2
Assistance and subsidies	15,222	22,588	23,610	67	94	97	3.5	3.2	3.1
Interest on debt (general and utility)	17,604	44,370	50,101	78	184	206	4.1	6.2	6.5
Insurance benefits and repayments	28,797	46,538	50,815	127	193	209	6.7	6.5	6.6
Expenditure for salaries and wages	163,896	256,622	274,324	723	1,064	1,127	37.9	35.9	35.5
Debt outstanding, end of year	335,603	658,875	718,657	1,481	2,733	2,953	100.0	100.0	100.0
Long-term	322,456	640,550	702,861	1,423	2,657	2,888	96.1	97.2	97.8
Short-term	13,147	18,325	15,775	58	76	65	3.9	2.8	2.2
Long-term debt:									
Issued	42,364	162,045	131,811	187	672	542	(x)	(x)	(x)
Retired	17,404	74,360	82,149	77	308	338	(x)	(x)	(x)

X Not applicable. ¹ Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980. ² Aggregates exclude duplicative transactions between State and local governments; see source. ³ Includes amounts not shown separately. ⁴ Interest on utility debt included in "utility expenditure." For total interest on debt, see "Interest on debt (general and utility)" below.

Source. U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC 82(6)-4) and *Government Finances*, series GF, No. 5, annual.

Receipts and Expenditures—Government Securities—Indebtedness 279

NO. 463. STATE AND LOCAL GOVERNMENT RECEIPTS AND EXPENDITURES IN THE NATIONAL INCOME AND PRODUCT ACCOUNTS: 1970 TO 1988

[In billions of dollars. For explanation of national income, see text, section 14]

ITEM	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Receipts	135.8	390.0	425.6	449.4	487.7	540.5	581.8	626.3	656.1	701.6
General, own source	102.1	271.6	306.2	328.7	363.0	406.7	439.9	472.5	503.5	537.0
Personal tax and nontax receipts ¹	23.6	62.6	94.5	104.9	116.1	129.8	140.2	151.5	165.8	173.7
Income taxes	10.9	42.6	47.8	51.9	58.3	67.6	72.2	77.6	86.3	88.5
Nontaxes	8.3	31.5	37.5	43.2	47.4	51.3	56.2	61.2	65.8	70.3
Corporate profits tax accruals	3.7	14.5	15.4	14.0	15.9	18.7	20.2	22.5	23.7	26.5
Indirect business tax and nontax accruals ¹	74.8	174.5	195.3	210.8	231.0	258.2	278.5	298.5	314.0	336.8
Sales taxes	31.6	82.9	90.7	96.2	106.8	120.8	131.0	140.0	149.2	160.6
Property taxes	36.7	68.8	77.1	85.3	91.9	99.7	107.1	114.6	121.3	131.0
Contributions for social insurance	9.2	29.7	32.5	35.8	38.5	40.2	43.2	47.1	50.0	53.3
Federal grants-in-aid	24.4	88.7	87.9	83.9	86.2	93.6	99.7	106.8	102.6	111.4
Expenditures	134.0	363.2	391.4	414.3	440.2	475.9	516.7	583.5	604.8	651.9
Purchases of goods and services ¹	119.4	322.2	345.9	368.0	391.5	425.3	465.6	505.7	544.5	587.6
Compensation of employees	71.1	192.2	209.3	226.9	241.7	258.5	278.8	300.3	322.1	346.5
Transfer payments to persons	20.1	65.7	73.6	79.9	86.5	93.7	101.1	110.9	119.6	130.3
Net interest paid ²	-1.8	-17.0	-20.1	-24.4	-26.2	-28.4	-32.4	-34.4	-37.5	-40.3
Less: Dividends received	-2.2	1.9	2.3	2.9	2.8	3.5	4.5	5.5	6.7	8.3
Subsidies ³	-3.6	-5.8	-5.6	-7.3	-8.8	-11.3	-13.1	-13.2	-15.1	-17.5
Surplus	1.8	26.8	34.1	35.1	47.5	64.6	65.1	62.8	51.3	49.7

¹ Includes other items not shown separately. ² Interest paid less interest received. ³ Less current surplus of government enterprises.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

NO. 464. NEW ISSUES OF LONG-TERM STATE AND LOCAL GOVERNMENT SECURITIES: 1970 TO 1988

[In billions of dollars. Beginning 1982, includes outlying areas]

ITEM	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
All issues, new capital and refunding	18.2	48.5	47.7	79.0	85.1	108.0	222.2	151.2	105.7	116.9
General obligations	11.9	14.1	12.4	21.1	21.5	26.7	54.1	42.7	30.5	29.5
Revenue	6.1	34.3	35.3	58.0	63.6	81.3	168.1	108.5	75.2	87.4
Type of issuer:										
State	4.2	5.3	5.3	10.3	9.2	9.1	13.1	14.7	9.8	9.3
Special district and statutory authority	5.6	27.0	27.5	43.3	48.6	64.5	138.6	85.1	61.6	68.6
Municipalities, counties, townships ¹	8.4	16.1	14.9	25.4	27.3	34.3	70.5	51.4	34.3	39.0
Issues for new capital, total	18.1	46.7	46.5	74.8	71.1	95.2	160.0	80.8	55.3	74.6
Use of proceeds:										
Education	5.0	4.6	4.6	6.5	8.2	7.9	16.6	11.4	9.1	13.4
Transportation	3.2	2.6	3.4	6.3	4.4	7.6	12.1	7.8	3.9	7.1
Roads, bridges	1.5	1.1	.9	1.7	1.3	2.0	4.7	4.2	1.7	2.4
Utilities and conservation	3.5	8.0	10.2	14.3	13.5	18.0	27.0	13.1	10.6	9.8
Electric and gas	.9	3.4	6.3	7.1	6.3	6.8	10.9	5.1	1.8	.8
Social welfare	1.2	18.4	12.1	25.6	25.4	28.4	63.3	12.5	10.5	18.6
Public housing	.5	15.5	5.9	14.9	17.4	19.3	37.2	6.7	7.0	10.9
Industrial aid	.1	1.7	3.4	2.9	3.6	15.7	14.1	4.7	2.4	2.5
Other	5.1	10.4	12.8	19.2	16.0	16.6	26.9	31.3	18.8	25.2

¹ Includes school districts.

Source: Public Securities Association, New York, NY, *Statistical Yearbook of Municipal Finances*, periodic, and IDD/PSA Municipal Database.

NO. 465. STATE AND LOCAL GOVERNMENTS—INDEBTEDNESS: 1980 TO 1987

[In billions of dollars, except per capita. As of end of fiscal year; see text, section 9. Local government amounts are estimates subject to sampling variation; see source and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series Y 680, Y 747, and Y 794, for debt outstanding]

ITEM	DEBT OUTSTANDING				LONG-TERM				
	Total	Per capita ¹ (dol.)	Long-term		Short-term	Net long-term	Debt issued	Debt retired	
			Local schools ²	Utilities					
1980: Total	335.8	1,482	32.3	55.2	235.0	13.1	262.9	42.4	17.4
State	122.0	540	3.8	4.6	111.5	2.1	79.8	16.4	5.7
Local	213.6	942	28.5	50.6	123.5	11.0	183.1	25.9	11.7
1985: Total	568.6	2,382	43.8	80.8	414.5	19.6	430.5	101.2	43.5
State	211.9	890	6.7	8.6	193.8	2.8	110.4	41.7	16.4
Local	356.7	1,494	37.1	82.2	220.6	16.8	320.1	59.5	27.2
1986: Total	658.9	2,733	47.4	104.8	488.3	18.3	496.9	162.0	74.4
State	247.7	1,030	7.8	10.0	228.4	1.6	129.1	64.0	26.4
Local	411.2	1,705	39.6	94.8	260.0	16.7	367.8	98.1	48.0
1987: Total	718.7	2,953	49.4	115.9	537.6	15.8	550.0	131.8	82.1
State	265.7	1,092	8.2	11.9	244.0	1.6	141.8	49.8	33.2
Local	453.0	1,861	41.2	104.0	293.6	14.2	408.2	82.0	49.0

¹ 1980 based on enumerated resident population as of April 1; 1985 through 1987 based on estimated resident population as of July 1. ² Includes debt for education activities other than higher education.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual, and unpublished data.

NO. 466. STATE AND LOCAL GOVERNMENTS—REVENUE, EXPENDITURE, AND DEBT

[In millions of dollars, except as indicated. For fiscal years ending in year shown; see text, section 9. Except for 1982, local

YEAR, DIVISION, AND STATE	GENERAL REVENUE										
	Total ¹	Amount from—			Per capita ² (dol.)				Per \$1,000 personal income ³ (dol.)		
		Federal Government	Taxes			Current charges	Total		Taxes		
			Total	Property	Other		Amount	Rank	Total	Rank	
1970.....	130,756	21,857	86,795	34,054	52,741	14,873	643	(x)	427	(x)	176
1980.....	382,322	83,029	223,463	68,499	154,064	44,373	1,888	(x)	987	(x)	198
1981.....	423,404	90,294	244,514	74,969	169,545	50,238	1,889	(x)	1,079	(x)	196
1982.....	457,654	87,282	266,390	82,067	184,322	56,920	2,020	(x)	1,176	(x)	190
1983.....	486,753	90,007	284,436	89,105	195,332	62,625	2,078	(x)	1,214	(x)	172
1984.....	542,730	96,935	320,194	96,457	223,737	68,022	2,295	(x)	1,354	(x)	175
1985.....	598,121	106,158	350,367	103,757	246,610	74,323	2,505	(x)	1,468	(x)	180
1986.....	641,458	113,099	373,051	111,711	261,340	80,400	2,661	(x)	1,547	(x)	182
U.S., 1987.....	686,164	114,996	406,149	121,227	283,922	86,199	2,819	(x)	1,665	(x)	182
New England:											
Maine.....	3,166	683	1,916	630	1,286	269	2,667	25	1,614	20	191
New Hampshire.....	2,466	388	1,468	911	558	263	2,333	39	1,389	30	133
Vermont.....	1,596	362	894	353	541	172	2,912	17	1,631	18	204
Massachusetts.....	18,783	3,118	12,327	3,747	8,580	1,830	3,208	10	2,105	6	168
Rhode Island.....	2,922	551	1,696	644	1,052	256	2,963	14	1,720	15	190
Connecticut.....	10,323	1,373	7,116	2,705	4,411	688	3,215	9	2,216	5	151
Middle Atlantic:											
New York.....	75,814	12,472	49,422	14,249	35,172	6,933	4,242	4	2,773	3	236
New Jersey.....	24,926	3,423	16,105	6,486	9,619	2,418	3,249	7	2,099	7	160
Pennsylvania.....	30,928	5,648	18,547	4,923	13,624	2,816	2,591	32	1,554	24	170
East North Central:											
Ohio.....	27,147	4,541	16,278	4,461	11,817	3,481	2,517	34	1,509	27	172
Indiana.....	12,623	2,210	7,214	2,304	4,909	2,140	2,282	40	1,304	38	164
Illinois.....	30,273	5,147	19,113	6,598	12,515	2,890	2,614	30	1,650	17	159
Michigan.....	27,551	4,721	16,335	6,158	10,179	3,767	2,995	13	1,776	13	195
Wisconsin.....	13,944	2,418	8,592	2,985	5,627	1,862	2,901	19	1,787	12	197
West North Central:											
Minnesota.....	14,617	2,274	8,086	2,431	5,656	2,033	3,442	5	1,904	10	216
Iowa.....	7,541	1,227	4,336	1,639	2,697	1,272	2,661	26	1,530	26	187
Missouri.....	10,667	1,854	6,362	1,385	4,976	1,469	2,090	50	1,247	40	142
North Dakota.....	1,900	423	857	272	585	351	2,841	22	1,276	39	218
South Dakota.....	1,682	405	846	351	495	204	2,372	37	1,194	46	189
Nebraska.....	4,215	677	2,328	1,014	1,314	760	2,644	27	1,460	29	185
Kansas.....	6,772	903	3,733	1,394	2,339	881	2,735	24	1,508	28	181
South Atlantic:											
Delaware.....	2,119	318	1,128	155	973	349	3,290	6	1,752	14	197
Maryland.....	13,683	2,210	8,633	2,103	6,530	1,315	3,017	12	1,904	11	166
District of Columbia.....	3,695	1,393	1,915	546	1,368	183	5,940	2	3,078	2	290
Virginia.....	14,452	2,264	9,141	2,536	6,605	1,945	2,448	35	1,548	25	148
West Virginia.....	4,327	988	2,335	409	1,925	485	2,281	41	1,231	42	207
North Carolina.....	14,308	2,382	8,740	1,867	6,873	1,713	2,231	43	1,363	34	168
South Carolina.....	7,587	1,352	4,223	985	3,238	1,285	2,215	44	1,233	41	185
Georgia.....	15,686	2,756	8,535	2,161	6,374	3,034	2,521	33	1,372	31	176
Florida.....	29,578	3,668	16,412	5,445	10,968	4,613	2,377	36	1,365	33	153
East South Central:											
Kentucky.....	7,972	1,588	4,511	763	3,748	965	2,139	47	1,210	45	177
Tennessee.....	10,309	2,131	5,612	1,207	4,405	1,767	2,123	49	1,166	48	165
Alabama.....	8,914	1,742	4,441	505	3,936	1,762	2,183	45	1,088	49	183
Mississippi.....	5,642	1,314	2,589	616	1,983	1,084	2,149	46	990	51	209
West South Central:											
Arkansas.....	4,596	1,017	2,475	470	2,006	636	1,925	51	1,037	50	167
Louisiana.....	11,727	2,735	5,473	882	4,592	1,739	2,629	29	1,227	43	229
Oklahoma.....	7,408	1,277	3,987	802	3,184	1,203	2,264	42	1,218	44	180
Texas.....	39,585	5,600	22,313	9,215	13,097	5,317	2,358	38	1,329	36	170
Mountain:											
Montana.....	2,313	565	1,105	534	572	212	2,859	21	1,366	32	231
Idaho.....	2,121	423	1,176	334	842	344	2,126	48	1,178	47	179
Wyoming.....	2,452	459	1,124	543	581	263	5,004	3	2,293	4	394
Colorado.....	9,574	1,429	5,280	1,885	3,395	1,386	2,905	18	1,602	22	186
New Mexico.....	4,370	697	1,962	229	1,733	483	2,913	16	1,308	37	245
Arizona.....	8,939	1,176	5,399	1,584	3,815	993	2,640	28	1,595	23	184
Utah.....	4,366	894	2,284	681	1,623	585	2,599	31	1,360	35	229
Nevada.....	2,810	396	1,633	363	1,270	452	2,791	23	1,622	19	170
Pacific:											
Washington.....	13,132	2,444	7,702	2,192	5,510	1,795	2,894	20	1,697	16	185
Oregon.....	8,048	1,482	4,392	1,949	2,443	1,033	2,954	15	1,612	21	210
California.....	89,011	14,390	53,272	13,703	39,570	11,595	3,218	8	1,926	9	181
Alaska.....	5,502	560	1,660	623	1,036	509	10,481	1	3,162	1	575
Hawaii.....	3,275	528	2,117	346	1,771	398	3,024	11	1,955	8	193

X Not applicable. ¹ Includes miscellaneous revenue, not shown separately.² Data for 1970 and 1980-1982 based on enumerated resident population as of April 1, 1970 and 1980, respectively; 1983-1987 based on estimated resident population as of July 1.

Debt and Expenditures

281

1970 TO 1987, AND BY STATE, 1987

government amounts included here are estimates subject to sampling variation; see source and Appendix III]

DEBT OUTSTANDING			DIRECT GENERAL EXPENDITURE								CAPITAL OUTLAY ^a		YEAR, DIVISION, AND STATE	
Total	Per capita ^b (dol.)	Rank	Total	Per capita ^b (dol.)	Rank	Education	Highways	Public welfare	Health, hospitals	All other	Total	Per capita ^b (dol.)		
143,570	706	(x)	131,332	646	(x)	52,718	16,427	14,679	9,668	37,840	29,650	146	1970	
335,603	1,482	(x)	367,340	1,622	(x)	133,211	33,311	45,552	32,174	123,092	62,894	278	1980	
363,892	1,606	(x)	405,576	1,790	(x)	145,794	34,603	52,246	36,101	136,840	67,596	295	1981	
404,579	1,786	(x)	425,103	1,921	(x)	154,283	34,520	56,216	40,882	149,202	66,802	296	1982	
454,501	1,940	(x)	464,752	1,984	(x)	163,876	36,655	59,157	43,750	161,314	67,734	289	1983	
506,230	2,141	(x)	503,375	2,128	(x)	176,108	39,419	64,709	46,419	176,720	70,651	299	1984	
568,633	2,382	(x)	552,033	2,312	(x)	192,686	44,988	69,523	49,678	195,157	79,901	335	1985	
658,875	2,733	(x)	603,684	2,504	(x)	210,819	49,366	73,875	53,613	216,009	90,457	375	1986	
718,657	2,953	(x)	553,508	2,685	(x)	226,658	52,199	80,090	56,971	237,690	98,276	404	U.S., 1987	
New England:														
2,606	2,195	40	2,938	2,475	31	1,046	286	507	139	959	339	286	Maine	
3,063	2,898	26	2,365	2,238	40	854	276	271	130	835	331	313	New Hampshire	
1,316	2,401	35	1,507	2,749	23	606	186	190	54	472	156	284	Vermont	
19,236	3,285	21	17,525	2,993	8	5,005	973	2,987	1,629	6,932	2,188	374	Massachusetts	
3,400	3,448	15	2,749	2,788	20	877	164	492	194	1,023	212	215	Rhode Island	
10,753	3,349	18	9,394	2,925	10	2,850	815	1,187	663	3,880	1,251	390	Connecticut	
77,247	4,334	8	69,520	3,900	4	20,262	3,812	11,423	7,038	28,986	9,137	513	Middle Atlantic:	
28,951	3,774	13	23,281	3,034	7	7,647	1,826	2,689	1,339	9,779	3,053	398	New York	
36,509	3,059	25	28,050	2,350	37	9,908	2,581	4,425	1,545	9,592	2,984	250	New Jersey	
19,364	1,796	47	26,255	2,425	33	9,620	1,900	4,220	2,215	8,301	3,134	291	Pennsylvania	
7,889	1,390	50	11,957	2,162	42	5,008	975	1,410	1,176	3,887	1,413	255	Ohio	
27,476	2,372	36	29,170	2,519	27	9,999	2,549	3,905	1,824	10,894	4,135	357	Indiana	
18,674	2,030	43	26,862	2,898	11	10,001	1,628	4,247	2,641	8,145	2,327	253	Illinois	
9,747	2,028	44	13,866	2,843	14	5,112	1,252	2,341	826	4,135	1,489	310	Michigan	
17,228	4,058	10	13,930	3,281	5	4,802	1,336	2,036	1,098	4,657	2,110	497	Wisconsin	
4,892	1,726	48	7,126	2,515	28	2,809	892	857	709	1,860	993	350	West North Central:	
6,658	1,697	2	10,553	2,068	49	4,038	965	1,108	1,119	3,323	1,613	316	Minnesota	
1,678	2,497	34	1,946	2,896	12	727	226	236	111	646	273	306	Iowa	
1,968	2,775	27	1,804	2,544	26	590	246	155	86	727	425	599	Missouri	
6,321	3,965	12	3,950	2,478	30	1,573	453	415	422	1,087	668	419	North Dakota	
6,658	2,669	30	6,169	2,492	29	2,375	776	530	493	1,995	920	372	South Dakota	
3,816	5,926	3	1,925	2,990	9	740	176	139	95	776	217	338	Kansas	
13,909	3,067	24	12,527	2,762	22	4,243	1,170	1,405	514	5,196	2,142	472	South Atlantic:	
3,711	5,966	2	3,211	5,163	2	567	116	558	302	1,668	551	886	Delaware	
11,081	1,877	45	14,167	2,400	34	5,536	1,494	1,111	1,303	4,722	2,123	360	Maryland	
5,176	2,729	29	4,313	2,274	39	1,611	507	511	274	1,410	524	276	District of Columbia	
13,735	2,142	41	13,325	2,078	46	5,769	1,036	1,263	1,302	3,956	2,399	374	Virginia	
8,920	2,604	32	7,264	2,121	43	3,028	458	621	1,009	2,148	1,117	326	West Virginia	
14,253	2,291	38	14,912	2,397	35	5,226	1,236	1,303	2,689	4,456	3,079	495	North Carolina	
40,627	3,379	17	28,271	2,351	36	8,034	2,104	2,059	2,911	12,163	6,390	531	South Carolina	
12,419	3,332	19	7,776	2,066	44	2,679	927	1,006	484	2,679	1,155	310	Georgia	
11,041	2,274	39	10,087	2,078	47	3,401	930	1,216	1,269	3,251	1,686	347	Florida	
9,384	2,288	37	8,473	2,075	48	3,191	711	642	1,326	2,603	1,134	278	Kentucky	
5,338	2,034	42	5,319	2,028	50	1,931	552	556	850	1,430	642	244	Tennessee	
4,321	1,809	46	4,553	1,907	51	1,893	511	543	414	1,193	855	358	Alabama	
19,790	4,436	5	11,013	2,469	32	3,415	1,016	1,053	1,307	4,222	1,602	359	Mississippi	
8,544	2,611	31	7,249	2,215	41	2,749	660	847	682	2,310	1,137	347	Arkansas	
53,274	3,173	23	39,017	2,924	38	15,754	4,040	2,665	3,158	13,400	9,046	539	Louisiana	
2,222	2,747	28	2,331	2,881	13	870	307	247	120	787	385	475	Oklahoma	
1,146	1,148	51	2,076	2,082	45	815	251	170	195	647	327	328	Texas	
2,151	4,391	6	2,168	4,424	3	791	322	114	259	682	427	870	Mountain:	
11,200	3,398	16	9,345	2,835	15	3,419	820	923	681	3,502	1,048	501	Montana	
5,297	3,531	14	4,041	2,694	24	1,509	477	329	304	1,422	730	487	Idaho	
14,103	4,185	9	9,490	2,803	19	3,625	1,231	726	427	3,482	2,589	759	Wyoming	
9,119	5,428	4	4,276	2,545	25	1,787	361	393	293	1,443	922	549	Colorado	
3,341	3,318	20	2,829	2,810	17	806	281	163	194	1,365	543	539	New Mexico	
19,721	4,346	7	12,602	2,777	21	4,580	1,131	1,427	889	4,576	2,594	572	Arizona	
10,944	4,018	11	7,653	2,910	18	2,900	626	579	480	3,089	949	348	Utah	
71,961	2,601	33	84,581	3,058	6	27,014	3,904	11,292	7,441	34,930	10,191	368	Nevada	
11,175	21,285	1	5,227	3,956	1	1,246	584	291	128	2,978	1,131	2,154	Pacific:	
3,504	3,235	22	3,066	2,631	16	821	148	309	201	1,588	610	563	Washington	
													Oregon	
													California	
													Alaska	
													Hawaii	

^a 1970 to 1982, based on personal income for the previous calendar year; beginning 1983 based on income for calendar year.

^b Includes general functions, liquor stores, and utilities.

Source: U.S. Bureau of the Census, *Government Finances*, series GF, No. 5, annual.

No. 467. STATE GOVERNMENTS—REVENUE,

[In millions of dollars, except as indicated.]

YEAR, DIVISION, AND STATE	Total revenue ¹	GENERAL REVENUE						DEBT OUT- STAND- ING		
		Total		Per capita ²		Intergovernmental revenue				
		Amount	Rank	Total (dol.)	Rank	From Federal Govern- ment	From local govern- ments			
1970	88,939	77,755	(x)	384	(x)	12,252	995	47,962	9,545	42,008
1980	276,962	233,592	(x)	1,034	(x)	61,892	2,434	137,075	32,190	121,958
1982	330,899	275,111	(x)	1,218	(x)	66,026	3,139	162,607	43,338	147,470
1983	357,861	290,480	(x)	1,243	(x)	68,985	3,742	171,440	46,812	167,290
1984	397,087	330,740	(x)	1,402	(x)	76,140	5,310	196,795	52,495	186,377
1985	439,416	365,835	(x)	1,536	(x)	84,434	5,453	215,893	60,055	211,917
1986	481,279	393,475	(x)	1,656	(x)	92,666	5,908	228,053	68,848	247,715
U.S., 1987	516,941	419,887	(x)	1,728	(x)	95,463	6,918	246,933	70,173	265,506
New England:										
Maine	2,651	2,278	40	1,919	16	608	3	1,288	378	1,621
New Hampshire	1,884	1,382	47	1,308	46	327	34	563	459	2,362
Vermont	1,294	1,151	49	2,101	10	333	5	538	275	955
Massachusetts	14,001	13,022	10	2,224	6	2,326	191	8,464	2,041	12,800
Rhode Island	2,575	2,151	41	2,182	7	490	29	1,050	581	2,785
Connecticut	7,585	6,888	20	2,145	9	1,209	21	4,359	1,300	8,014
Middle Atlantic:										
New York	55,572	44,600	2	2,502	4	10,758	3,912	24,676	5,254	40,631
New Jersey	19,542	15,936	8	2,077	12	2,976	128	9,491	3,440	17,488
Pennsylvania	23,803	18,886	4	1,582	27	4,645	80	11,379	2,782	8,820
East North Central:										
Ohio	25,067	16,698	7	1,548	30	3,735	148	9,717	3,098	9,440
Indiana	9,037	8,202	18	1,483	36	1,875	46	4,774	1,507	2,731
Illinois	20,632	17,276	6	1,492	35	4,027	82	10,430	2,737	12,665
Michigan	21,493	17,474	5	1,899	18	4,019	499	9,857	3,099	7,700
Wisconsin	12,167	9,183	13	1,910	17	2,124	53	5,674	1,333	4,795
West North Central:										
Minnesota	10,643	8,834	14	2,080	11	1,904	90	5,546	1,294	3,587
Iowa	5,481	4,665	29	1,646	26	1,044	77	2,662	881	1,776
Missouri	7,761	6,486	21	1,271	48	1,561	11	3,942	972	4,307
North Dakota	1,545	1,352	48	2,012	14	366	16	573	397	792
South Dakota	1,241	1,044	50	1,473	37	343	7	416	279	1,544
Nebraska	2,475	2,285	39	1,434	41	562	24	1,203	496	1,478
Kansas	4,112	3,431	33	1,386	43	805	11	2,085	529	370
South Atlantic:										
Delaware	1,980	1,701	42	2,641	3	278	2	942	478	2,787
Maryland	9,700	8,430	17	1,859	19	1,721	46	5,204	1,458	5,336
Virginia	11,174	9,224	12	1,562	29	1,949	137	5,527	1,612	4,198
West Virginia	3,965	3,240	36	1,708	22	915	13	1,820	482	2,241
North Carolina	11,874	9,765	11	1,523	33	2,030	165	6,235	1,335	2,726
South Carolina	6,766	5,271	25	1,539	32	1,197	35	3,156	880	3,722
Georgia	10,241	8,631	16	1,387	42	2,287	55	5,324	965	2,555
Florida	17,394	14,436	9	1,201	49	2,799	103	9,846	1,687	7,806
East South Central:										
Kentucky	6,926	5,880	24	1,572	28	1,411	13	3,520	915	4,669
Tennessee	7,383	6,308	22	1,269	47	1,852	31	3,603	822	2,261
Alabama	7,077	5,954	23	1,458	39	1,481	33	3,222	1,217	3,294
Mississippi	4,413	3,618	32	1,378	44	1,150	16	1,943	508	1,322
West South Central:										
Arkansas	3,888	3,253	35	1,362	45	909	4	1,889	450	1,441
Louisiana	9,257	7,719	19	1,730	21	2,451	25	3,449	1,794	10,245
Oklahoma	5,781	4,785	28	1,462	38	1,107	27	2,669	981	4,105
Texas	24,038	19,608	3	1,168	50	4,508	17	11,228	3,855	6,467
Mountain:										
Montana	1,816	1,433	46	1,771	20	486	13	591	342	1,146
Idaho	1,868	1,439	45	1,442	40	376	16	830	218	614
Wyoming	1,802	1,544	44	3,152	2	420	27	632	466	780
Colorado	6,723	4,926	27	1,494	34	1,220	26	2,561	1,118	2,320
New Mexico	3,842	3,268	34	2,179	8	566	36	3,975	1,092	1,780
Arizona	6,673	5,213	26	1,540	31	913	87	3,469	744	1,937
Utah	3,400	2,809	37	1,672	24	779	25	1,438	566	1,418
Nevada	2,475	1,662	43	1,651	25	299	10	1,131	222	1,226
Pacific:										
Washington	11,575	8,772	15	1,933	15	1,915	174	5,639	1,043	3,841
Oregon	6,146	4,627	30	1,698	23	1,174	35	2,235	1,183	7,143
California	70,336	55,884	1	2,020	13	12,423	271	35,791	7,400	22,405
Alaska	4,889	4,245	31	8,086	1	485	4	1,062	2,694	6,189
Hawaii	3,164	2,638	38	2,436	5	426	4	1,697	511	2,868

X Not applicable. ¹ Includes liquor stores, utilities, and insurance trust activities, not shown separately.² 1970 based on

enumerated resident population as of April 1, 1970, 1980 and 1982 based on enumerated resident population as of April 1, 1980.

1983-1987 based on estimated resident population as of July 1.

State Government Finances

283

DEBT, AND EXPENDITURE 1970 TO 1987, AND BY STATE, 1987

For fiscal year ending in year shown; see text, section 9]

DEBT OUT- STANDING— Con.		Total expenditure ¹	GENERAL EXPENDITURES							YEAR, DIVISION, AND STATE	
			Total ²		Selected functions						
Per capita ²	Amount		Per capita ²	Total ²	Rank	Education	Public welfare	High- ways	Health and hospi- tals		
Total (dol.)	Rank		Total (dol.)	Rank							
207	(x)	85,055	77,642	383	(x)	30,965	13,206	13,483	5,355	2,223	1970
540	(x)	257,812	228,223	1,010	(x)	87,938	44,220	25,044	17,855	4,346	1980
653	(x)	310,358	269,490	1,193	(x)	102,984	55,257	25,131	22,284	5,485	1982
716	(x)	333,669	284,681	1,218	(x)	107,703	57,544	26,431	23,557	5,834	1983
790	(x)	351,182	309,775	1,313	(x)	118,058	62,749	28,840	24,982	5,945	1984
890	(x)	390,742	345,047	1,449	(x)	128,604	67,264	33,154	27,595	6,758	1985
1,030	(x)	424,205	376,429	1,565	(x)	140,189	72,484	36,661	30,131	7,312	1986
1,094	(x)	455,696	403,939	1,664	(x)	149,901	78,454	38,273	32,131	7,816	U.S., 1987
1,366	16	2,287	2,043	1,722	21	674	511	196	113	54	N. Eng.: ME
2,235	10	1,484	1,295	1,225	48	292	244	183	124	24	NH
1,743	13	1,153	1,076	1,964	12	355	197	145	52	29	VT
2,186	11	14,015	13,000	2,220	5	3,130	3,063	689	1,201	166	MA
2,825	3	2,259	2,012	2,040	9	557	497	124	193	13	RI
2,496	6	6,666	6,062	1,888	14	1,539	1,095	618	631	59	CT
2,279	9	47,505	40,053	2,247	4	11,377	11,548	1,922	3,856	23	Mid. Atl.: NY
2,280	8	17,175	14,586	1,901	13	4,358	2,547	1,258	993	159	NJ
739	36	20,571	17,603	1,475	34	5,571	4,487	2,186	1,312	276	PA
875	28	20,753	16,817	1,559	30	6,422	3,834	1,497	1,304	165	E. No. Cent.: OH
494	45	8,342	7,874	1,424	37	3,530	1,241	869	549	125	IN
1,094	24	18,821	17,085	1,475	33	6,028	3,724	1,831	1,054	216	IL
837	33	18,791	16,504	1,794	17	5,287	4,174	1,213	1,849	239	MI
998	26	9,427	8,669	1,803	16	2,767	2,029	670	586	168	WI
845	30	9,205	8,425	1,984	11	3,185	1,626	845	581	218	W. No. Cent.: MN
627	40	5,075	4,694	1,656	24	2,012	769	667	376	114	IA
844	31	7,095	6,629	1,299	46	2,842	1,076	708	586	151	MO
1,178	22	1,585	1,453	2,162	7	543	226	170	108	51	ND
2,178	12	1,282	1,236	1,743	20	318	144	149	67	41	SD
927	27	2,282	2,210	1,386	41	755	396	342	206	68	NE
149	50	3,629	3,302	1,334	45	1,458	516	476	264	85	KS
4,328	2	1,553	1,449	2,250	3	561	140	148	95	27	So. Atl.: DE
1,177	23	8,714	7,731	1,705	23	2,302	1,385	1,078	628	171	MD
711	37	9,693	9,040	1,531	31	3,678	1,059	1,316	986	142	VA
1,181	21	3,884	3,239	1,707	22	1,287	511	463	162	86	WV
425	47	10,133	9,380	1,463	35	4,473	1,205	923	818	197	NC
1,087	25	5,959	5,107	1,491	32	2,355	611	395	588	120	SC
411	48	9,061	8,423	1,354	43	3,645	1,431	927	715	232	GA
649	39	15,426	14,570	1,212	49	5,744	1,905	1,466	1,374	516	FL
1,253	18	6,334	5,844	1,568	29	2,318	986	851	309	175	E. So. Cent.: KY
466	46	6,584	6,162	1,269	47	2,354	1,185	806	548	97	TN
807	35	6,333	5,769	1,413	38	2,747	636	555	624	121	AL
504	44	3,956	3,555	1,354	42	1,498	545	387	279	102	MS
603	42	3,473	3,220	1,348	44	1,347	540	468	230	99	W. So. Cent.: AR
2,297	7	8,460	7,205	1,615	27	2,590	1,046	712	725	262	LA
1,255	17	5,510	4,619	1,412	39	1,971	853	544	364	90	OK
385	49	21,717	19,275	1,148	50	9,788	2,581	2,544	1,407	289	TX
1,417	15	1,687	1,430	1,767	18	466	235	245	83	78	Mt.: MT
615	41	1,605	1,399	1,402	40	618	154	209	71	66	ID
1,593	14	1,630	1,450	2,960	2	494	111	278	95	79	WY
704	38	5,456	4,714	1,430	36	1,970	851	585	363	114	CO
1,187	20	3,206	3,074	2,049	8	1,298	317	382	235	58	NM
572	43	5,904	5,402	1,595	28	2,169	587	1,050	217	67	AZ
844	32	3,282	2,932	1,745	19	1,383	391	279	257	125	UT
1,218	19	2,010	1,630	1,619	26	615	143	203	64	30	NV
846	29	9,982	8,382	1,847	15	3,811	1,512	888	530	200	Pac.: WA
2,622	5	5,140	4,441	1,630	25	1,399	562	588	324	139	OR
810	34	62,481	55,440	2,004	10	22,226	12,444	2,653	3,752	1,274	CA
11,788	1	4,416	4,037	7,689	1	971	280	502	89	142	AK
2,648	4	2,614	2,392	2,209	6	821	307	94	195	53	HI

^a Includes amounts not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, and *Census of Governments: 1977 and 1982*, Vol. 6, No. 4, *Historical Statistics on Government Finances and Employment*.

NO. 468. STATE GOVERNMENTS—SUMMARY OF FINANCES: 1980 TO 1987

[For fiscal years ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 710-782.]

ITEM	TOTAL (mil. dol.)			PER CAPITA ¹ (dol.)			PERCENT DISTRIBUTION		
	1980	1986	1987	1980	1986	1987	1980	1986	1987
Borrowing and revenue									
Borrowing	293,356	534,281	551,520	1,299	2,222	2,272	100.0	100.0	100.0
Revenue	16,394	53,002	34,679	73	220	143	5.6	9.9	6.3
General revenue	276,962	481,279	516,941	1,226	2,001	2,129	94.4	90.1	93.7
Taxes	137,075	228,053	246,933	607	948	1,017	46.7	42.7	44.8
Sales and gross receipts	67,855	112,373	119,839	300	467	494	23.1	21.0	21.7
General	43,188	74,817	79,638	191	311	328	14.7	14.0	14.4
Motor fuels	9,722	14,129	15,705	43	59	65	3.3	2.7	2.9
Alcoholic beverages	2,478	3,062	3,091	11	13	13	.8	.6	.6
Tobacco products	3,738	4,449	4,605	17	19	19	1.3	.8	.8
Other	8,750	15,916	16,798	39	66	69	3.0	3.0	3.1
Licenses	6,600	14,908	16,000	38	62	66	3.0	2.8	2.9
Motor vehicles	4,936	7,674	8,309	22	32	34	1.7	1.4	1.5
Corporations in general	1,388	3,063	3,171	6	13	13	.5	.6	.8
Other	2,386	4,172	4,520	10	17	19	.8	.8	.8
Individual income	37,089	67,405	75,585	164	280	313	12.6	12.6	13.8
Corporation net income	13,321	18,394	20,724	59	76	85	4.5	3.5	3.8
Property	2,892	4,354	4,609	13	18	19	1.0	.8	.8
Other	7,227	10,619	9,798	32	44	40	2.5	2.0	1.8
Charges and miscellaneous	32,190	66,848	70,173	142	278	289	11.0	12.5	12.7
Intergovernmental revenue	64,326	98,574	102,381	285	410	422	21.9	18.5	18.6
From Federal Government	61,892	92,666	95,463	274	385	393	21.1	17.3	17.3
Public welfare	24,680	41,802	44,969	109	174	185	8.4	7.8	8.2
Education	12,765	16,523	16,883	57	69	70	4.4	3.1	3.1
Highways	8,860	13,855	12,963	39	58	53	3.0	2.6	2.4
Other	15,587	20,486	20,647	69	85	85	5.3	3.8	3.8
From local governments	2,434	5,908	6,918	11	25	28	.8	1.1	1.3
Utility revenue	1,304	2,907	2,964	6	12	12	.4	.5	.5
Liquor stores revenue	2,765	2,807	2,812	12	12	12	.9	.5	.5
Insurance trust revenue ²	39,301	82,090	91,578	174	341	378	13.4	15.4	16.6
Employee retirement	21,146	56,820	64,405	94	236	265	7.2	10.6	11.7
Unemployment compensation	13,468	18,173	18,839	60	76	78	4.6	3.4	3.4
Expenditure and debt redemption									
Debt redemption	263,494	440,904	476,065	1,166	1,834	1,961	100.0	100.0	100.0
Expenditure ³	5,682	16,699	20,369	25	69	84	2.2	3.8	4.3
General expenditure	257,812	424,205	455,696	1,141	1,764	1,877	97.8	96.2	95.7
Public welfare	226,223	376,429	403,939	1,010	1,565	1,664	86.6	85.4	84.9
Education	87,959	140,189	149,901	389	583	617	33.4	31.8	31.5
Health and hospitals	44,219	72,464	78,454	196	301	323	16.8	16.4	16.5
Highways	25,044	36,661	38,273	111	152	158	9.5	8.3	8.0
State hospitals	17,855	30,131	32,131	79	125	132	6.9	6.8	6.8
Other hospitals and health	11,015	16,962	17,862	49	71	74	4.2	3.8	3.8
Corrections	6,840	13,170	14,269	30	55	59	2.6	3.0	3.0
Natural resources	4,449	10,771	11,704	20	45	48	1.7	2.4	2.5
General control	4,346	7,312	7,816	19	30	32	1.6	1.7	1.7
Financial administration	3,232	5,767	6,191	14	24	26	1.2	1.3	1.3
Police protection	3,031	5,855	6,459	13	24	27	1.2	1.3	1.4
Employment security	2,263	3,714	4,048	10	15	17	.9	.8	.9
Housing and community development	2,001	2,697	2,741	9	11	11	.8	.6	.6
Misc. and unallocable	601	1,872	2,129	3	8	9	.2	.4	.5
Utility expenditure	33,242	58,995	64,093	147	245	264	12.6	13.4	13.5
Liquor stores expenditure	2,401	5,530	5,971	11	23	25	.9	1.3	1.3
Insurance trust expenditure ³	2,206	2,418	2,470	10	10	10	.8	.5	.5
Employee retirement	10,256	19,879	22,189	45	83	91	3.9	4.5	4.7
Unemployment compensation	12,006	14,821	15,174	53	62	63	4.6	3.4	3.2
By character and object:									
Intergovernmental expenditure	84,504	131,966	141,426	374	549	583	32.1	29.9	29.7
Direct expenditure	173,307	292,239	314,270	767	1,215	1,294	65.8	66.3	66.0
Current operation	108,131	186,098	199,659	479	774	822	41.0	42.2	41.9
Capital outlay	23,925	34,550	37,209	103	144	153	8.9	7.8	7.8
Construction	19,736	26,557	28,174	87	110	116	7.5	6.0	5.9
Land and existing structures	1,345	2,176	2,594	6	9	11	.5	.5	.6
Equipment	2,243	5,816	6,440	10	24	27	.9	1.3	1.4
Assistance and subsidies	9,818	14,162	14,705	43	59	61	3.7	3.2	3.1
Interest on debt	7,052	17,601	19,382	31	73	80	2.7	4.0	4.1
Insurance benefits and repayments	24,981	39,829	43,316	111	166	178	9.5	9.0	9.1
Debt outstanding, end of year	121,958	247,715	265,677	540	1,030	1,094	100.0	100.0	100.0
Long-term	119,821	246,109	264,071	530	1,023	1,088	98.2	99.4	99.4
Full-faith and credit	49,364	64,640	66,758	219	269	275	40.5	26.1	25.1
Nonguaranteed	70,457	181,469	197,314	312	755	813	57.8	73.3	74.3
Short-term	2,137	1,806	1,606	9	7	7	1.8	.6	.6
Net long-term	79,810	129,119	141,815	353	537	584	65.4	52.1	53.4
Full-faith and credit only	39,357	50,212	51,168	174	209	211	32.3	20.3	19.3

¹ Based on estimated resident population as of July 1; except 1980 based on enumerated resident population as of April 1, 1980.

² Includes other items not shown separately.

³ Intergovernmental and direct.

Source: U.S. Bureau of the Census, *Historical Statistics on Governmental Finances and Employment* (GC82(6)-4) and *State Government Finances*, series GF, No. 3, annual.

Resources and Expenditures

285

NO. 469. STATE GENERAL FUND RESOURCES, EXPENDITURES, AND BALANCE: 1988 TO 1990

[In millions of dollars, except percent. Fiscal year data; see text, section 9. General funds exclude special funds earmarked for particular purposes, such as highway trust funds and federal funds; they support most on-going broad-based State services, and are available for appropriation to support any governmental activity. For additional data on general fund expenditures, see table 470. Minus sign (-) indicates deficit]

STATE	RESOURCES ^{1,2}			EXPENDITURES ²			BALANCE ⁵					
	1988	1989 ³	1990 ⁴	1988	1989 ³	1990 ⁴	Total			As percent of expenditures		
							1988	1989 ³	1990 ⁴	1988	1989 ³	1990 ⁴
United States	243,051	260,591	274,647	236,240	255,251	271,517	6,812	5,339	3,130	2.9	2.1	1.2
Alabama.....	2,955	3,167	3,120	2,800	3,159	3,120	155	8	-	5.5	.3	-
Alaska.....	2,480	2,159	2,366	2,256	2,311	2,309	224	-152	77	9.9	-6.6	3.3
Arizona.....	2,619	2,917	3,260	2,813	2,913	3,246	6	5	14	2	.2	.4
Arkansas.....	1,546	1,612	1,723	1,546	1,612	1,723	-	-	-	-	-	.1
California.....	33,195	36,177	39,131	33,024	35,965	39,110	171	212	21	.5	.6	.1
Colorado.....	2,243	2,420	2,518	2,143	2,318	2,423	100	102	95	4.7	4.4	3.9
Connecticut.....	4,860	5,590	6,315	4,976	5,589	6,315	-116	-	-	-	2.3	-
Delaware.....	1,198	1,234	1,286	1,093	1,195	1,226	105	99	60	9.8	8.7	4.9
Florida.....	8,817	9,594	10,121	8,582	9,512	10,121	235	82	-	2.7	.9	-
Georgia.....	6,108	6,494	7,498	5,959	6,403	7,498	149	81	-	2.5	1.4	-
Hawaii.....	2,427	2,758	2,793	1,957	2,275	2,818	470	483	175	24.0	21.2	6.7
Idaho.....	675	741	778	658	704	773	17	37	5	2.6	5.3	.6
Illinois.....	11,774	12,151	12,596	11,528	11,900	12,945	246	251	251	2.1	2.1	2.0
Indiana.....	4,058	4,441	4,664	3,815	4,233	4,483	243	208	181	6.4	4.9	4.0
Iowa.....	2,484	2,675	2,784	2,422	2,628	2,712	62	47	72	2.6	1.8	2.7
Kansas.....	2,188	2,499	2,555	1,886	2,172	2,364	302	327	191	16.0	15.1	8.1
Kentucky.....	3,239	3,330	3,499	3,208	3,310	3,483	31	20	16	1.0	.6	.5
Louisiana.....	3,349	4,312	4,239	3,861	4,036	3,957	-512	278	282	-13.3	8.8	7.1
Maine.....	1,395	1,518	1,595	1,254	1,418	1,548	141	100	47	11.2	7.1	3.0
Maryland.....	5,301	5,813	6,102	4,892	5,452	6,073	409	361	29	8.4	6.6	.5
Massachusetts.....	7,597	8,211	8,878	7,556	8,210	8,849	41	1	29	5	..	.3
Michigan.....	6,702	6,835	7,012	6,684	6,818	6,988	18	20	24	3	.3	.3
Minnesota.....	6,347	6,707	7,194	5,762	6,427	7,086	585	280	108	10.2	4.4	1.5
Mississippi.....	1,742	1,876	1,908	1,853	1,815	1,907	89	61	1	5.4	3.4	-
Missouri.....	3,573	3,886	4,120	3,479	3,818	4,080	94	69	60	2.7	1.8	1.5
Montana.....	410	418	451	371	386	404	39	32	47	10.6	8.3	11.6
Nebraska.....	1,068	1,182	1,206	891	1,009	1,065	178	174	142	19.9	17.2	13.3
Nevada.....	652	758	767	586	750	757	65	7	10	11.2	1.0	1.3
New Hampshire.....	568	584	602	553	584	602	13	-	-	2.4	-	-
New Jersey.....	11,084	11,854	12,013	10,310	11,552	11,765	774	302	248	7.5	2.6	2.1
New Mexico.....	1,584	1,642	1,690	1,584	1,642	1,690	-	-	-	-	-	-
New York.....	27,044	28,168	29,406	26,991	28,166	29,406	53	-	-	2	-	-
North Carolina.....	6,167	6,579	6,873	5,774	6,399	6,873	393	180	-	6.8	2.8	-
North Dakota.....	555	536	562	506	520	546	49	15	16	9.7	2.9	2.9
Ohio.....	10,260	10,893	11,571	9,953	10,709	11,409	297	184	162	3.0	1.7	1.4
Oklahoma.....	2,387	2,701	2,823	2,281	2,530	2,629	116	171	194	5.1	6.8	7.4
Oregon.....	1,912	2,077	2,292	1,825	1,899	2,168	87	178	124	4.8	9.4	5.7
Pennsylvania.....	10,612	11,260	11,728	10,517	10,985	11,725	95	275	3	.9	2.5	-
Rhode Island.....	1,370	1,448	1,503	1,256	1,416	1,502	115	31	1	9.1	2.2	.1
South Carolina.....	2,942	3,231	3,359	2,814	3,155	3,278	128	76	81	4.5	2.4	2.5
South Dakota.....	433	449	448	392	417	445	41	32	3	10.5	7.7	-
Tennessee.....	3,177	3,505	3,886	3,111	3,483	3,685	66	22	1	2.1	.6	-
Texas.....	11,983	12,934	13,162	11,870	12,934	13,162	113	-	-	1.0	-	-
Utah.....	1,489	1,499	1,519	1,402	1,499	1,500	87	-	19	6.2	-	1.3
Vermont.....	560	608	593	506	604	593	74	5	1	14.6	.8	.1
Virginia.....	5,368	5,781	6,079	5,099	5,781	6,074	269	-	5	5.3	-	.1
Washington.....	5,180	5,723	6,076	4,989	5,867	5,971	192	356	105	3.8	6.6	1.8
West Virginia.....	1,449	1,508	1,818	1,474	1,475	1,781	35	33	35	2.5	2.2	2.0
Wisconsin.....	5,483	5,725	5,932	5,289	5,520	5,812	194	205	120	3.7	3.7	2.1
Wyoming.....	423	413	416	351	339	339	72	74	78	20.6	21.9	22.9

- Represents zero.

¹ Includes funds budgeted, adjustments, and balances from previous year. ² Fund transfers, depending on state accounting practices.

³ Estimates.

⁴ Appropriated figures.

⁵ May or may not include transfers.

⁶ Resources less expenditures.

Source: National Governors' Association and National Association of State Budget Officers, Washington, DC, *Fiscal Survey of the States*, semi-annual (copyright).

No. 470. STATE EXPENDITURES BY FUND SOURCE: 1987 TO 1989

(In percent except as indicated. Fiscal year data; see text, section 9. For additional data on general fund expenditures, see table 469)

STATE	1987			1988 (estimated)			1989 (appropriated)					
	Total ¹ (mil. dol.)	General fund	Federal funds	Other State funds	Total ¹ (mil. dol.)	General fund	Federal funds	Other State funds	Total ¹ (mil. dol.)	General fund	Federal funds	Other State funds
United States	405,276	52.5	22.1	24.0	431,915	52.8	22.3	23.3	459,298	53.3	22.1	22.9
Alabama	5,430	47.0	41.0	11.4	6,392	48.5	39.2	11.5	6,955	45.5	48.4	5.1
Alaska	3,348	71.0	7.1	21.9	3,179	70.9	9.2	19.8	3,195	70.3	9.9	19.8
Arizona	4,259	56.5	22.8	20.5	4,836	53.8	22.2	23.5	5,373	53.3	22.8	23.1
Arkansas	3,486	40.8	22.9	36.1	3,849	40.4	25.1	34.3	4,359	37.7	25.0	37.2
California	52,825	59.6	27.9	10.7	57,184	58.1	28.3	10.7	61,242	58.0	28.2	10.1
Colorado	4,476	45.8	23.8	30.4	4,612	45.6	23.4	31.0	5,118	45.5	25.7	28.8
Connecticut	6,984	64.0	16.1	14.6	8,028	63.0	15.8	15.5	8,090	68.8	8.7	14.0
Delaware	1,673	55.6	15.0	24.8	1,840	56.5	14.9	22.8	2,006	59.7	14.7	25.8
Florida	16,888	45.9	20.2	31.5	18,522	46.6	19.7	31.8	21,256	44.7	18.9	36.1
Georgia	7,899	50.5	26.9	18.7	8,623	50.3	25.7	20.3	9,888	63.2	24.8	12.0
Hawaii	3,022	56.0	10.9	27.4	3,279	59.7	12.0	29.5	3,204	57.9	14.9	18.2
Idaho	1,333	45.7	32.6	21.8	1,455	45.4	32.5	22.1	1,549	44.0	33.8	22.1
Illinois	16,898	53.4	15.9	28.2	17,355	53.8	15.6	27.7	18,610	51.4	16.7	28.8
Indiana	7,376	46.3	25.2	28.5	7,706	48.9	24.6	28.5	8,225	47.8	23.9	28.3
Iowa	6,646	33.1	18.1	48.7	7,418	32.6	17.4	50.0	7,323	36.1	18.1	45.8
Kansas	3,629	48.7	30.4	20.9	3,875	49.6	31.6	18.8	4,239	49.4	29.6	20.9
Kentucky	6,554	44.6	28.5	23.6	7,321	44.0	27.0	25.5	6,801	48.6	24.0	27.4
Louisiana	7,381	46.8	25.6	25.8	7,487	51.7	28.2	20.1	8,387	48.1	26.4	21.4
Maine	1,933	54.1	27.6	15.9	2,097	55.5	40.1	15.7	2,492	53.7	27.2	15.2
Maryland	6,700	51.4	18.3	30.0	9,375	52.1	18.1	29.4	10,028	54.1	17.2	26.2
Massachusetts	14,718	48.1	16.3	35.6	15,875	48.4	16.4	35.2	16,469	53.6	15.6	30.8
Michigan	14,750	43.6	24.1	32.4	15,562	42.1	25.1	32.8	15,981	42.0	23.9	34.1
Minnesota	10,011	53.3	22.0	23.7	9,849	58.5	21.5	17.0	9,333	61.2	22.3	15.1
Mississippi	3,653	40.8	38.5	20.5	3,872	41.7	37.6	20.2	4,105	43.9	34.0	21.0
Missouri	6,452	50.7	18.9	28.1	6,948	51.3	19.0	28.8	7,036	51.8	18.8	29.1
Montana	1,537	25.2	33.1	40.8	1,422	26.2	36.6	36.0	1,287	30.1	32.9	36.9
Nebraska	2,032	42.2	21.9	34.9	2,171	41.5	22.8	35.4	2,364	43.2	23.2	33.1
Nevada	1,368	38.5	24.0	37.4	1,417	41.3	22.6	36.1	1,573	39.4	19.5	41.1
New Hampshire	1,129	40.1	26.7	29.1	1,326	38.8	22.5	35.2	1,484	40.4	21.7	30.3
New Jersey	13,247	69.7	18.6	8.7	14,616	70.6	19.1	8.2	16,302	70.2	20.0	8.1
New Mexico	2,694	53.4	21.5	21.0	3,029	49.9	23.1	25.8	3,033	52.5	21.0	23.7
New York	36,018	65.1	19.5	14.5	38,439	65.3	18.4	15.5	42,068	64.0	18.2	17.0
North Carolina	8,863	69.2	21.8	9.0	9,724	70.1	20.8	9.1	10,410	70.8	20.3	8.8
North Dakota	1,224	44.4	25.5	29.5	1,241	40.8	28.4	30.1	1,474	37.3	30.1	32.5
Ohio	17,747	49.8	20.3	28.1	19,233	47.4	20.6	27.7	19,589	45.9	21.1	28.7
Oklahoma	5,054	41.0	25.8	33.2	5,172	42.9	24.6	32.5	5,605	43.2	26.5	30.3
Oregon	5,982	28.5	12.0	59.5	5,953	30.5	13.9	55.6	6,196	30.5	13.9	55.6
Pennsylvania	16,130	53.4	24.2	21.0	19,361	54.1	21.6	22.1	20,953	52.8	22.5	22.8
Rhode Island	1,640	68.8	22.4	6.4	1,925	65.7	22.3	7.2	2,091	66.8	19.9	7.4
South Carolina	5,437	49.1	24.8	24.9	5,891	47.8	24.5	26.2	6,942	45.4	25.1	27.0
South Dakota	1,059	34.1	41.3	24.5	1,152	34.3	41.2	24.2	1,177	43.9	32.6	23.4
Tennessee	6,122	49.0	29.4	15.8	6,041	50.6	30.9	16.9	6,763	52.2	29.1	16.7
Texas	17,757	46.4	19.5	34.0	18,683	47.0	20.7	30.9	18,533	49.3	20.0	30.6
Utah	2,683	47.9	22.5	28.7	2,863	48.3	22.4	27.3	2,840	50.9	22.2	26.9
Vermont	943	44.5	29.7	23.9	1,044	46.4	26.9	23.9	1,148	50.3	27.9	18.9
Virginia	9,406	49.5	18.0	32.0	10,378	48.8	16.9	33.5	11,393	49.0	16.3	34.3
Washington	8,902	54.9	17.8	23.4	9,493	53.5	18.8	24.2	9,839	53.0	20.8	22.4
West Virginia	3,355	48.0	26.2	25.2	3,254	45.0	27.0	26.9	3,521	41.6	29.0	27.7
Wisconsin	10,902	46.5	17.4	36.1	9,860	54.1	22.4	23.5	10,244	54.8	20.1	25.2
Wyoming	1,726	21.9	11.0	66.8	1,748	22.8	12.6	64.6	1,206	30.7	20.4	48.9

¹ Includes bonds not shown separately.Source: National Association of State Budget Officers, Washington, DC, *State Expenditure Report 1989*.

Tax Collections and Excise Taxes

287

NO. 471. STATE GOVERNMENT TAX COLLECTIONS AND EXCISE TAXES, 1970 TO 1988, AND BY STATE, 1988

[Tax collections for fiscal years ending in year shown; see text, section 9. Excise tax rates as of September 1. Collections include local shares of State-imposed taxes. 1988 tax collections preliminary. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	STATE TAX COLLECTIONS (mil. dol.)							EXCISE TAX RATES		
	Total ¹	Sales and gross receipts				Corpo- rat- net income	Motor vehicle and operators' li- censes	General sales and gross receipts (percent) ²	Ciga- rettes (cents per pack- age)	Gaso- line (cents per gal.)
		Total ¹	Gener- al sales and gross re- ceipts	Motor fuels	Alco- holic bever- ages and tobac- co prod- ucts					
1970 ³	47,962	27,254	14,177	6,283	3,728	9,183	3,738	2,728	(x)	(x)
1975 ³	80,155	43,346	24,780	8,255	5,249	18,819	6,642	3,941	(x)	(x)
1980 ³	137,075	67,855	43,168	9,722	6,216	37,089	13,321	5,325	(x)	(x)
1985 ³	215,693	105,419	69,633	13,344	7,393	63,908	17,631	7,780	(x)	(x)
1986 ³	226,053	112,373	74,817	14,129	7,511	67,405	18,394	8,369	(x)	(x)
1987 ³	246,331	119,361	79,228	15,707	7,700	76,045	20,476	9,067	(x)	(x)
1988 ³	264,057	130,198	87,009	17,197	7,981	80,134	21,684	9,644	(x)	(x)
Region:										
Northeast	64,483	27,243	17,498	2,388	1,746	24,444	6,424	1,863	(x)	(x)
Midwest	61,192	29,600	19,856	4,552	1,920	20,776	5,263	2,639	(x)	(x)
South ³	77,700	45,398	28,882	7,064	3,121	16,655	4,265	2,987	(x)	(x)
West	60,682	27,897	20,773	3,193	1,204	18,259	5,732	2,155	(x)	(x)
New England	16,724	7,695	5,003	885	552	5,612	2,024	566	(x)	(x)
Maine	1,506	737	492	106	75	555	85	61	5 F&D	28
New Hampshire	583	257	(x)	83	43	30	146	51	(x)	17
Vermont	617	303	123	42	27	202	45	35	4 F&D	17
Massachusetts	8,521	2,914	2,021	306	247	3,985	1,068	183	5 F&D	26
Rhode Island	1,121	575	383	55	41	388	79	31	6 F&D	27
Connecticut	4,276	2,809	1,984	293	119	352	601	207	7.5 F&D	26
Middle Atlantic	47,759	19,548	12,495	1,503	1,194	18,932	4,400	1,295	(x)	(x)
New York	26,172	8,379	5,511	500	550	13,569	2,172	484	4 F&D	21
New Jersey	9,762	5,153	3,137	331	277	2,558	1,182	348	6 F&D	27
Pennsylvania	11,825	6,016	3,847	672	367	2,805	1,046	463	6 F&D	18
East North Central	42,903	20,730	13,946	3,092	1,338	14,198	4,134	1,756	(x)	(x)
Ohio	9,991	5,168	3,219	811	297	3,365	582	364	4.5 F&D	18
Indiana	5,312	3,019	2,362	401	152	1,764	261	129	5 F&D	15.5
Illinois	11,079	5,803	3,677	702	318	3,161	974	854	4.5 F&D	20
Michigan	10,515	4,064	2,919	687	385	3,588	1,856	440	4 F&D	25
Wisconsin	6,006	2,675	1,769	491	186	2,320	461	169	4.5 F&D	30
West North Central	18,289	8,870	5,910	1,460	582	6,578	1,129	883	(x)	(x)
Minnesota	6,144	2,703	1,877	392	172	2,625	412	287	4.6 F&D	38
Iowa	2,842	1,302	859	266	96	1,065	158	194	4 F&D	34
Missouri	4,406	2,287	1,683	340	107	1,516	224	207	4.225 D	13
North Dakota	633	326	205	64	22	114	39	35	5.5 F&D	27
South Dakota	476	393	282	62	23	(x)	26	22	4 D	23
Nebraska	1,343	727	449	166	55	432	74	54	4 F&D	27
Kansas	2,445	1,132	776	170	107	826	196	84	4 D	24
South Atlantic	42,310	22,587	14,747	3,364	1,565	12,280	2,963	1,383	(x)	(x)
Delaware	1,018	145	(x)	81	17	378	119	47	(x)	14
Maryland	5,807	2,552	1,424	442	94	2,433	313	141	5 F&D	13
District of Columbia ³	2,060	572	391	28	17	593	151	20	6 F&D	17
Virginia	6,137	2,527	1,189	594	112	2,758	334	255	4.3 D	2.5
West Virginia	1,744	924	537	168	43	394	177	66	6 F&D	17
North Carolina	6,923	2,822	1,628	597	158	2,784	713	253	4 D	2
South Carolina	3,438	1,866	1,249	306	138	1,141	204	77	5 D	7
Georgia	5,763	2,629	1,857	412	210	2,392	479	93	4 D	12
Florida	11,460	9,122	6,863	764	793	(x)	624	449	4 F&D	24
East South Central	13,019	7,860	5,029	1,331	469	2,369	882	442	(x)	(x)
Kentucky	3,664	1,685	952	323	64	1,007	256	83	4.5 F&D	3
Tennessee	3,855	2,947	2,142	503	146	80	352	160	4.5 D	13
Alabama	3,374	1,825	928	276	169	929	178	118	4 D	16.5
Mississippi	2,126	1,403	1,007	229	90	353	96	81	6 D	18
West South Central	22,371	14,951	9,108	2,369	1,087	2,006	420	1,162	(x)	(x)
Arkansas	2,021	1,148	777	217	89	587	116	73	4 D	21
Louisiana	3,774	2,069	1,301	367	125	576	220	87	4 F&D	16
Oklahoma	3,150	1,457	757	311	140	833	84	254	4 D	23
Texas	13,426	10,277	6,274	1,474	733	(x)	748	468	4 F&D	26
Mountain	13,211	7,150	4,784	1,216	333	3,496	524	604	(x)	(x)
Montana	715	182	(x)	102	25	244	46	32	(x)	20
Idaho	894	478	328	95	25	281	61	35	5 D	18
Wyoming	573	203	151	37	5	(x)	42	4 D	8	8
Colorado	2,726	1,215	724	300	86	1,160	147	89	4.3 F&D	20
New Mexico	1,793	1,013	740	139	36	304	50	102	4.75 D	15
Arizona	3,722	2,290	1,706	315	93	858	148	197	4.5 F&D	15
Utah	1,602	787	589	129	38	638	72	46	4.594 D	19
Nevada	1,186	982	546	99	25	(x)	61	47.5 F&D	20	16.25
Pacific	47,471	20,747	15,989	1,977	871	14,774	5,208	1,551	(x)	(x)
Washington	5,995	4,512	3,554	435	232	(x)	172	6.5 F&D	31	18
Oregon	2,111	315	(x)	166	81	1,284	167	206	(x)	27
California	36,075	14,544	11,515	1,292	382	12,864	4,782	1,136	4.475 F&D	10
Alaska	1,251	82	(x)	34	21	(z)	181	19	(x)	16
Hawaii	2,039	1,294	920	50	155	626	78	18	4 D	8

X Not applicable. Z Less than \$500,000. ¹ Includes amounts for types of taxes not shown separately. ² F=food exempt from sales tax; D=prescription drugs exempt from sales tax. ³ DC excluded from total. ⁴ Local sales tax rates are additional. ⁵ An additional tax is levied at the rate of 3 percent of the retail sales price, less the current 7.5 cents per gallon tax. ⁶ Tax is 40 percent of wholesale price. ⁷ Combined State and county rates are: Hawaii 16 cents; Honolulu 22.5 cents; Kauai and Maui 19 cents.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

NO. 472. STATE GOVERNMENT INDIVIDUAL INCOME TAXES: 1988

(As of October 1988. Only basic rates, brackets and exemptions are shown. Local income tax rates, even those mandated by the State, are not included. Taxable income rates and brackets listed below apply to single individuals and married taxpayers filing "combined separate" returns (in States where this is permitted). Alaska, Florida, Nevada, South Dakota, Texas, Washington, and Wyoming have no State income tax.)

STATE	Taxable income rates (range in percent)	TAXABLE INCOME BRACKETS		PERSONAL EXEMPTIONS			SIZE OF STANDARD DEDUCTION ¹			Federal income tax deductible ²
		Lowest amount under	Highest amount over	Single	Married—joint return	Dependents	Percent	Single	Married—joint return	
AL ³	2.0-5.0	\$4,500	\$3,000	\$1,500	\$3,000	\$300	20	\$2,000	\$4,000	Yes
AZ ⁴	2.0-8.0	1,229	7,375	2,125	4,250	1,275	19.4	1,063	2,125	Yes ⁶
AR	1.0-7.0	3,000	25,000	720	740	720	10	1,000	1,000	No
CA ⁵	1.0-9.3	3,618	25,052	752	7104	752	(X)	1,966	3,932	No
CO				5% of Federal income tax liability						
CT				Very limited income tax ⁸						
DE ³	3.2-7.7	1,000	40,000	1,250	2,500	1,250	10	1,300	1,600	No
DC	6.0-9.5	10,000	20,000	1,025	2,050	1,025	(X)	2,000	2,000	No
GA	1.0-6.0	750	7,000	1,500	3,000	1,500	(X)	2,300	3,000	No
HI	2.25-10.0	1,200	20,200	1,040	2,080	1,040	(X)	1,000	1,700	No
ID	2.0-8.2	1,000	20,000	1,900	3,800	1,900		Same as Federal ⁹		No
IL	2.5	Flat rate		1,000	2,000	1,000	(X)	(X)	(X)	No
IN ³	3.4	Flat rate		1,000	2,000	1,000	(X)	(X)	(X)	No
IA ³	.4-9.98	¹⁰ 1,000	¹⁰ 45,000	¹⁰ 720	¹⁰ 740	¹⁰ 715	(X)	¹¹ 1,230	¹¹ 3,030	Yes
KS	¹² 4.8 & 6.1	¹² 27,500	¹² 27,500	1,950	3,900	1,950	(X)	3,000	5,000	No
KY ³	2.0-6.0	3,000	8,000	720	740	720	(X)	650	650	Yes
LA	2.0-6.0	10,000	50,000	¹³ 4,500	¹³ 9,000	¹³ 1,000	(X)	(X)	(X)	Yes
ME ⁵	2.0-8.0	6,000	16,250	740	780	740	(X)	760	7100	No
MD ³	2.0-5.0	1,000	3,000	1,000	2,000	1,000	15	2,000	4,000	No
MA	5.0	Flat rate		2,200	4,400	1,000	(X)	(X)	(X)	No
MI ³	4.6	Flat rate		1,800	3,600	1,800	(X)	(X)	(X)	No
MN ⁵	6.0-8.0	13,000	16,000	Same as Federal ⁹						
MS	3.0-5.0	5,000	10,000	6,000	9,500	1,500	15	2,300	3,400	No
MO ³	1.5-6.0	¹⁸ 1,000	¹⁵ 9,000	1,200	2,400	400	(X)	Same as Federal ⁹		Yes
MT ⁵	2.0-11.0	1,400	50,000	1,140	2,280	1,140	20	2,140	4,280	Yes
NE	2.0-5.9	1,800	2,700	1,130	2,260	1,130	(X)	2,550	3,780	No
NH ³				Very limited tax ¹⁷						
NJ	¹⁸ 2.0-3.5	20,000	50,000	1,000	2,000	1,000	(X)	(X)	(X)	No
NM	1.8-8.5	5,200	41,600	2,000	4,000	2,000		Same as Federal ⁹		No
NY ³	3.0-8.0	3,000	12,400	—	—	—	(X)	5,000	8,500	No
NC	3.0-7.0	2,000	10,000	1,100	¹⁹ 2,200	800	10	550	(19)	No
ND ³	²⁰ 2.67-12.0	²⁰ 3,000	²⁰ 50,000	Same as Federal ⁹						
OH ³	.743-6.9	5,000	100,000	650	1,300	650	(X)	(X)	(X)	No
OK	²¹ 5.5-6.0	²¹ 1,000	²¹ 7,500	1,000	2,000	1,000	15	2,000	2,000	Yes ²²
OR ³	5.0-9.0	2,000	5,000	90	180	90	(X)	¹¹ 1,800	¹¹ 3,000	Yes ²²
PA ³	2.1	Flat rate		(X)	(X)	(X)	(X)	(X)	(X)	No
RI				22.96% of Federal income tax liability						
SC	3.0-7.0	4,000	10,000	Very limited income tax ²³					Same as Federal ⁹	
TN	2.6-7.35	750	3,750	23% of Federal income tax liability					75% of Federal exemptions	
UT				Same as Federal ⁹					Yes	
VT									No	
VA	2.0-5.75	3,000	15,000	800	1,600	800	(X)	2,700	2,700	No
WV	3.0-6.5	10,000	60,000	2,000	4,000	2,000	No deductions ²⁴		2,700	No
WI	4.9-6.93	7,500	15,000	—	—	750	(X)	5,200	8,900	No

¹ Represents zero. ² Not applicable. ³ The lesser of either (a) the percentage indicated, multiplied by adjusted gross income or (b) the dollar value listed. ⁴ A State provision that allows the taxpayer to deduct fully the Federal income tax payment reduces the effective marginal tax rate for persons in the highest State and Federal tax brackets by approximately one-half the nominal tax rate—the deduction is of a lesser benefit to other taxpayers. ⁵ States in which one or more local governments levy a local income tax. ⁶ Social Security (FICA) taxes are included in itemized deductions. ⁷ Indexed by an inflation factor. ⁸ Limited to 46% of Federal tax liability or \$475, whichever is greater. ⁹ Tax credit. ¹⁰ There is an income tax on interest and dividend income only. The rate of this tax ranges from 1% of interest and dividend income for taxpayers with an AGI of \$54,000 to \$57,999 to 12% of such income of taxpayers with an AGI over \$100,000. Capital gains are taxed at 7% after an exemption of \$100 is applied. ¹¹ Personal exemptions on the 1988 return are \$1,950 each; standard deduction for single is \$3,000 and for those filing joint returns, \$5,000. ¹² Tax cannot reduce after-tax income of taxpayer to below \$5,000.

¹³ A minimum standard deduction exists. In instances where the percentage standard deduction is less than the minimum, the minimum deduction amount should be taken. ¹⁴ Income below \$27,500 taxed at 4.8% rate, income above \$27,500 taxed at 6.1% rate. ¹⁵ Personal exemption and standard deduction are combined. ¹⁶ All counties have a local income tax surcharge of at least 20% of State tax liability; most counties have a surcharge of 50%. ¹⁷ FICA taxes deductible when itemizing deductions.

¹⁸ Interest and dividends taxed at 5%. ¹⁹ There is a 5% tax on dividend and interest income (excluding income from savings bank deposits) in excess of \$1,200 (\$2,400 married). ²⁰ No taxpayer is subject to tax if gross income is \$3,000 or less (\$1,500 married, filing separately). ²¹ An additional exemption of \$1,100 is allowed the spouse with the smallest income. Joint returns not allowed. ²² Taxpayers have the option of paying a tax of 14% of the taxpayers adjusted Federal income tax liability or using the long form with a separate schedule; taxpayers using the long form may deduct Federal income tax paid.

²³ These tax rates and brackets apply to single persons not deducting Federal income tax. For individuals deducting Federal income tax, rates range from .5% of the first \$1,000 to 10% on income over \$23,000. ²⁴ Federal tax deduction limited to \$3,000 (\$1,500 married, filing separately). ²⁵ Interest and dividends taxed at 6%. ²⁶ Eliminated standard deduction; no itemized deductions are permitted.

No. 473. GROSS REVENUE OF SELECTED STATES FROM PARIMUTUEL AND AMUSEMENT TAXES AND LOTTERIES, 1980 TO 1987, AND BY STATE, 1987

[In millions of dollars, except percent. For fiscal years; see text, section 9]

YEAR AND STATE	Gross revenue	Parimutuel taxes	Amusement taxes ¹	LOTTERY REVENUE			
				Total ²	Apportionment of funds (percent)		Proceeds available from ticket sales
					Prizes	Administration	
1980	3,072.9	731.5	234.1	2,107.3	43.6	6.2	50.2
1981	5,889.6	729.3	386.0	4,794.3	51.8	5.3	42.3
1984	7,360.1	739.4	383.7	^a 6,237.0	52.4	4.6	43.0
1985	9,227.0	693.9	411.6	^b 8,121.5	52.1	4.5	43.4
1986	12,163.9	646.6	462.7	^c 11,054.5	52.5	5.0	42.4
1987 ^d	12,581.4	642.5	478.9	^c 11,469.0	52.5	5.7	41.9
Arizona	145.1	10.9	.7	133.5	47.6	13.8	38.6
Arkansas	20.6	20.6	(x)	(x)	(x)	(x)	(x)
California	1,442.1	113.1	(x)	1,329.0	48.3	9.1	42.5
Colorado	115.7	8.7	.5	106.5	53.7	14.3	32.1
Connecticut	544.2	65.5	14.8	463.8	54.1	5.5	40.4
Delaware	42.4	.1	(x)	42.3	56.5	6.2	37.2
District of Columbia	115.4	(x)	(x)	115.4	53.5	10.3	36.1
Florida	121.5	118.6	2.7	(x)	(x)	(x)	(x)
Illinois	1,282.3	52.2	8.4	1,221.6	53.0	2.8	44.3
Iowa	88.6	(x)	(x)	88.6	53.3	15.7	31.0
Kentucky	8.3	8.0	.3	(x)	(x)	(x)	(x)
Louisiana	22.2	22.0	.2	(x)	(x)	(x)	(x)
Maine	55.9	1.6	(x)	54.3	55.8	6.4	37.8
Maryland	725.9	2.5	1.5	721.8	50.5	2.8	46.7
Massachusetts	1,113.5	35.7	7.9	1,069.9	59.8	6.2	34.0
Michigan	962.0	25.0	(x)	937.0	52.8	5.5	41.8
Missouri	164.4	(x)	(x)	164.4	47.8	14.9	37.3
Nebraska	10.4	5.4	5.0	(x)	(x)	(x)	(x)
Nevada	223.9	(z)	223.9	(x)	(x)	(x)	(x)
New Hampshire	69.1	10.5	(x)	58.6	48.2	16.4	35.4
New Jersey	1,264.8	7.4	199.8	1,057.4	51.7	3.8	44.5
New Mexico	2.4	2.3	.1	(x)	(x)	(x)	(x)
New York	1,415.4	83.8	1.1	1,330.5	50.7	3.1	46.2
Ohio	1,021.8	12.4	(x)	1,009.4	56.8	6.4	36.8
Oklahoma	1.5	1.5	(x)	(x)	(x)	(x)	(x)
Oregon	100.3	4.8	(x)	95.6	53.4	18.5	28.1
Pennsylvania	1,258.5	9.5	.3	1,248.7	51.5	3.1	45.5
Rhode Island	58.1	6.6	.1	51.4	54.3	5.1	40.6
South Carolina	9.9	(x)	9.9	(x)	(x)	(x)	(x)
South Dakota	3.6	3.6	(x)	(x)	(x)	(x)	(x)
Vermont	24.2	.2	(x)	24.0	54.5	18.2	27.3
Washington	203.2	9.2	.1	193.9	45.4	13.8	40.9
West Virginia	66.6	(x)	(x)	66.6	45.0	14.4	40.6

X Not applicable. Z Less than \$50,000. ¹ Represents nonlicense taxes. ² Excludes commissions. ³ Total excludes DC whose lottery began in 1984; (\$80.5) in 1984, (\$105.5) in 1985, (\$112.3) in 1986, and (\$115.4) in 1987. ⁴ Includes States whose gross revenues were less than \$1,000,000 not shown separately.

Source: U.S. Bureau of the Census, *State Government Finances*, series GF, No. 3, annual.

No. 474. STATE GOVERNMENT REVENUE FROM SEVERANCE TAXES, BY STATE: 1985 TO 1988

[In millions of dollars. For fiscal years; see text, section 9. Severance taxes are taxes imposed distinctively on the removal of natural products, such as oil, gas, other minerals, timber, and fish; from land or water and measured by value and/or quantity of products removed or sold. See source for information on particular taxes (including changes in tax rates) and additional analytical detail. For composition of regions, see fig. I, inside front cover.]

REGION AND STATE	1985	1986	1987	1988	STATE	1985	1986	1987	1988
Total	7,211	6,038	4,050	4,326	Missouri	(z)	(z)	(z)	(z)
Region:					Montana	150.7	129.9	101.5	112.6
Northeast	.1	.5	.1	-.1	Nebraska	4.6	4.0	2.4	2.6
Midwest	463.7	333.0	235.0	246.1	Nevada	.1	(z)	(z)	10.7
South	4,244.9	3,232.4	2,423.2	2,467.1	New Hampshire	.1	.5	.1	-.1
West	2,502.5	2,472.4	1,391.4	1,613.5	New Mexico	390.8	367.2	235.0	291.9
Alabama	89.6	75.1	53.3	60.6	North Carolina	1.5	1.4	1.4	1.6
Alaska	1,389.3	1,432.9	666.9	818.7	North Dakota	176.3	147.0	95.8	90.9
Arkansas	26.0	22.2	15.1	16.3	Ohio	8.2	9.9	9.5	9.4
California	19.1	19.2	22.8	26.1	Oklahoma	708.8	571.4	370.2	386.7
Colorado	30.4	22.6	9.7	15.3	Oregon	31.8	32.4	33.3	32.0
Florida	173.2	83.9	81.3	75.0	South Dakota	4.5	5.6	5.5	8.4
Idaho	.7	.5	.4	-.7	Tennessee	2.8	2.3	1.6	1.8
Indiana	1.5	1.3	.6	.7	Texas	2,175.3	1,552.1	1,181.7	1,058.8
Kansas	111.9	102.1	63.6	81.8	Utah	49.4	43.9	21.5	29.2
Kentucky	228.0	229.3	203.1	210.0	Virginia	1.6	1.6	1.7	1.7
Louisiana	745.2	619.7	449.6	472.9	Washington	36.2	37.0	40.5	45.8
Michigan	75.7	52.8	48.3	43.6	West Virginia ²	(x)	(x)	15.0	128.5
Minnesota	80.0	9.5	8.3	7.8	Wisconsin	1.0	.8	1.1	.9
Mississippi	92.9	72.9	49.2	53.2	Wyoming	404.0	387.3	259.7	230.3

Z Less than \$50,000. ¹ Beginning 1986, corporate excise tax (\$86,995,000) was reclassified to corporate net income tax. ² Severance tax replaced the business and occupation tax for specified firms engaged in natural resource activities effective July 1, 1987.

Source: U.S. Bureau of the Census, *State Government Tax Collections*, series GF, No. 1, annual.

NO. 475. STATE GOVERNMENT INTERGOVERNMENTAL EXPENDITURES, 1980 TO 1987, AND BY STATE, 1987

[For fiscal year, see text, section 9]

YEAR, DIVISION, AND STATE	Total (mil. dol.)	Per capita (dol.)	Rank	As percent of general expenditure	DIVISION AND STATE	Total (mil. dol.)	Per capita (dol.)	Rank	As percent of general expenditure
1980.....	84,504	374	(x)	37.0	So. Atl.—Con.:	2,761	468	24	30.5
1984.....	108,373	459	(x)	35.0	VA.....	895	472	22	27.6
1985.....	121,571	511	(x)	35.2	WV.....	3,651	569	13	38.9
1986.....	131,966	549	(x)	35.1	NC.....	1,486	428	32	28.7
1987, U.S.	141,426	583	(x)	35.0	SC.....	2,792	449	27	33.1
N. Eng.: ME	465	392	42	22.7	GA.....	5,890	490	20	40.4
NH.....	182	172	49	14.1	FL.....	1,565	420	33	26.8
VT.....	179	328	46	16.7	VA.....	1,586	327	47	25.7
MA.....	3,891	665	8	29.9	TN.....	1,829	399	39	28.2
RI.....	367	372	43	18.2	AL.....	1,346	513	18	37.9
CT.....	1,300	405	38	21.4	MS.....	991	415	35	30.8
Mid. Atl.: NY	16,249	912	4	40.6	LA.....	1,811	406	37	25.1
NJ.....	4,959	646	9	34.0	OK.....	1,361	416	34	29.5
PA.....	5,721	479	21	32.5	TX.....	6,225	371	44	32.3
E. No. Cent.: OH	6,028	559	15	35.8	Mt: MT	318	393	41	22.3
IN.....	2,779	502	19	35.3	ID.....	493	434	31	31.0
IL.....	5,152	445	28	30.2	WY.....	550	1,122	2	37.9
MI.....	5,144	559	14	31.2	CO.....	1,528	463	25	32.4
WI.....	3,409	709	7	39.3	NM.....	1,166	778	6	37.9
W. No. Cent.: MN	3,439	810	5	40.8	AZ.....	1,981	585	12	36.7
IA.....	1,557	550	16	33.2	UT.....	788	469	23	26.9
MO.....	2,091	410	36	31.5	NV.....	650	646	10	39.9
ND.....	361	537	17	24.9	Pac: WA	2,908	641	11	34.7
SD.....	205	289	48	16.6	OR.....	1,191	437	29	26.8
NE.....	548	344	45	24.8	CA.....	27,626	999	3	49.8
KS.....	981	396	40	29.7	AK.....	937	1,785	1	23.2
So. Atl.: DE	281	437	30	19.4	HI.....	44	40	50	1.8
MD.....	2,049	452	26	26.5					

X Not applicable. ¹ 1980 based on enumerated resident population as of April 1; 1984-1987 based on estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *State Government Finances*, series GF, No. 3, annual.

NO. 476. LOCAL GOVERNMENT GENERAL REVENUE, BY SOURCE, 1980 TO 1987, AND BY STATE, 1987

[In millions of dollars, for fiscal year, see text, section 9. Data are estimates based on sample and subject to sampling variability; see source and Appendix II]

YEAR, DIVISION, AND STATE	Total ¹	INTERGOVERNMENTAL FROM—		FROM OWN SOURCES		DIVISION AND STATE	Total ¹	INTERGOVERNMENTAL FROM—		FROM OWN SOURCES	
		Fed- eral	State	Total	Taxes			Fed- eral	State	Total	Taxes
1980.....	232,453	21,136	81,289	130,027	88,387	So. Atl.—Con.:	7,279	489	1,980	4,811	3,429
1984.....	323,118	105,820	196,504	123,399	100	MD.....	3,695	1,393	(x)	2,301	1,915
1985.....	354,119	21,724	116,380	216,014	134,473	DC.....	7,983	315	2,618	5,050	3,614
1986.....	380,714	20,433	126,824	233,457	144,997	VA.....	1,986	73	885	1,028	504
1987, U.S.	410,347	19,533	136,752	254,062	158,216	NC.....	8,176	353	3,468	4,355	2,505
N. Eng.: ME	18,521	1,182	5,856	11,483	9,155	SC.....	3,614	155	1,262	2,196	1,064
NH.....	1,311	75	420	816	628	GA.....	10,237	469	3,127	6,641	3,211
VT.....	1,271	61	154	1,055	906	FL.....	19,970	869	5,724	13,377	6,566
MA.....	609	29	160	421	356	E. So. Cent.	17,045	881	5,854	10,310	4,873
RI.....	9,630	792	3,677	5,161	3,863	KY.....	3,610	176	1,485	1,949	991
CT.....	1,102	61	302	739	646	TN.....	5,623	279	1,591	3,752	2,009
Mid. Atl.: NY	82,865	3,263	26,700	52,902	38,528	AL.....	4,485	261	1,492	2,733	1,219
NY.....	51,650	1,713	16,725	33,212	24,745	MS.....	3,327	164	1,286	1,876	655
NJ.....	13,658	547	4,539	8,572	6,614	W. So. Cent.	38,398	1,654	10,372	26,372	15,013
PA.....	17,557	1,003	5,436	11,118	7,168	AR.....	2,233	108	885	1,240	586
E. No. Cent.	64,982	3,257	21,448	40,278	27,080	LA.....	5,747	284	1,714	3,749	2,025
OH.....	15,981	806	5,383	9,792	6,561	OK.....	3,928	170	1,275	2,481	1,317
IN.....	7,908	335	2,840	4,133	2,439	TX.....	26,492	1,092	6,498	18,902	11,085
IL.....	17,893	1,120	4,814	11,960	8,883	Mt: MT	22,253	981	7,363	13,909	7,738
MI.....	15,525	702	4,949	9,874	6,478	MT.....	1,185	79	201	815	514
WI.....	8,275	294	3,461	4,520	2,918	ID.....	1,151	47	454	651	346
W. No. Cent.	28,176	1,177	8,636	18,363	10,119	WY.....	1,405	39	470	895	492
MN.....	9,555	371	3,683	5,502	2,540	CO.....	6,186	209	1,512	4,465	2,719
IA.....	4,450	183	1,497	2,770	1,674	NM.....	2,228	131	1,031	1,006	387
MO.....	5,779	294	1,587	3,898	2,419	AZ.....	5,937	263	2,124	3,549	1,930
ND.....	905	57	332	516	264	UT.....	2,344	116	762	1,467	846
SD.....	824	62	180	582	430	CA.....	1,836	97	679	1,030	502
NE.....	2,420	115	466	1,838	1,125	AK.....	2,026	75	766	1,186	598
KS.....	4,243	95	890	3,257	1,647	HI.....	706	103	66	538	420
So. Atl.	63,682	4,155	19,387	40,140	22,994						
DE.....	743	40	323	381	186						

X Not applicable. ¹ Excludes duplicative intergovernmental transactions.

Source: U.S. Bureau of the Census, *Census of Governments: 1982, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment* (GC82(6)-4), and *Government Finances*, series GF, No. 5, annual.

NO. 477. NUMBER OF LOCAL GOVERNMENTS, BY TYPE—STATES: 1982 AND 1987

[Governments in existence in January. Limited to governments actually in existence. Excludes, therefore, a few counties and numerous townships and "incorporated places" existing as areas for which statistics can be presented as to population and other subjects, but lacking any separate organized county, township, or municipal government]

STATE	1982			1987					Special district governments			
	All local governmental units ¹	School district governments	Special district governments	All local governmental units	County governments ²	Municipal governments ²	Township governments ³	School district governments	Total ¹	Natural resources	Fire protection	Housing and community development
U.S.	81,780	14,851	28,078	83,186	3,042	19,200	16,691	14,721	29,532	6,360	5,070	3,464
AL.....	1,018	127	390	1,053	67	436	—	129	421	89	4	156
AK.....	156	—	6	172	9	149	—	14	—	—	—	13
AZ.....	452	232	130	576	15	81	—	227	253	82	116	—
AR.....	1,424	372	505	1,396	75	483	—	333	505	245	33	130
CA.....	4,102	1,111	2,506	4,331	57	442	—	1,098	2,734	521	369	93
CO.....	1,544	185	1,030	1,593	62	266	—	180	1,085	188	213	56
CT.....	479	16	261	477	—	31	149	16	281	1	55	91
DE.....	217	19	139	281	3	57	—	19	202	197	—	3
DC.....	2	—	1	2	—	1	—	—	1	—	—	—
FL.....	969	95	417	965	66	390	—	95	414	133	48	98
GA.....	1,268	187	390	1,286	158	532	—	186	410	28	6	208
HI.....	18	—	14	18	3	1	—	—	14	14	—	—
ID.....	1,018	117	659	1,065	44	198	—	118	705	169	119	13
IL.....	6,467	1,049	2,802	6,627	102	1,279	1,434	1,029	2,783	913	801	114
IN.....	2,885	305	897	2,806	91	567	1,008	304	836	129	—	45
IA.....	1,871	456	361	1,877	99	955	—	451	372	234	69	15
KS.....	3,795	326	1,370	3,803	105	627	1,380	324	1,387	271	—	101
KY.....	1,241	180	517	1,303	119	437	—	178	569	127	85	24
LA.....	468	66	39	452	61	301	—	66	24	2	—	—
ME.....	806	98	195	800	16	22	471	88	203	13	—	28
MD.....	439	—	264	401	23	155	—	—	223	165	—	20
MA.....	798	81	354	836	12	39	312	82	391	16	20	249
MI.....	2,643	599	184	2,699	83	534	1,242	590	250	85	1	—
MN.....	3,529	436	356	3,555	87	855	1,798	441	374	119	—	169
MS.....	858	169	315	853	82	293	—	171	307	227	—	59
MO.....	3,117	557	1,195	3,147	114	930	325	561	1,217	155	145	172
MT.....	1,029	399	450	1,243	54	128	—	547	514	117	128	18
NE.....	3,324	1,069	1,157	3,152	93	534	454	952	1,119	110	427	134
NV.....	184	17	134	197	16	18	—	17	146	29	15	14
NH.....	517	160	113	524	10	13	221	160	120	9	15	22
NJ.....	1,591	548	454	1,625	21	320	247	551	486	16	172	84
NM.....	319	89	101	331	33	98	—	88	112	73	—	7
NY.....	3,249	726	923	3,302	57	618	929	720	978	2	898	—
NC.....	905	—	321	916	100	495	—	—	321	142	1	108
ND.....	2,795	325	692	2,787	53	366	1,355	310	703	83	279	34
OH.....	3,393	669	377	3,377	88	940	1,318	621	410	100	30	55
OK.....	1,702	638	406	1,802	77	591	—	636	498	110	17	119
OR.....	1,454	352	825	1,502	36	240	—	350	876	213	270	23
PA.....	5,198	514	2,050	4,956	66	1,022	1,548	515	1,805	5	1	88
RI.....	122	3	80	125	—	8	31	3	83	3	39	26
SC.....	645	92	242	707	46	269	—	92	300	46	86	43
SD.....	1,767	196	199	1,762	64	309	964	193	212	102	31	38
TN.....	913	15	469	904	94	334	—	14	462	124	—	94
TX.....	4,180	1,124	1,681	4,415	254	1,156	—	1,113	1,892	399	70	396
UT.....	504	40	211	530	29	225	—	40	236	71	13	11
VT.....	664	273	83	673	14	55	237	272	95	20	19	8
VA.....	407	—	83	450	95	229	—	—	106	43	—	—
WA.....	1,734	300	1,130	1,779	39	266	—	297	1,177	161	411	48
WV.....	633	55	292	630	55	230	—	55	290	15	—	32
WI.....	2,592	408	263	2,719	72	580	1,268	433	366	150	—	204
WY.....	395	56	225	424	23	95	—	56	250	114	44	—

[—] Represents zero. ¹ Includes other types of governments not shown separately.

² Consolidated city-county governments are classified as municipal rather than county governments. ³ Includes "town" governments in the 6 New England States and in Minnesota, New York, and Wisconsin.

Source: U.S. Bureau of the Census, *Census of Governments: 1982 and 1987, Vol. 1, No. 1, Government Organization*.

**No. 478. COUNTY, MUNICIPAL, AND TOWNSHIP GOVERNMENTS, 1987, AND THEIR POPULATION, 1986,
BY POPULATION-SIZE GROUP**

[Number of governments as of January 1987; population estimated as of July 1986. Consolidated city-county governments are classified as municipal rather than county governments. Township governments include "towns" in the 6 New England States, Minnesota, New York, and Wisconsin]

POPULATION-SIZE GROUP	COUNTY GOVERNMENTS			MUNICIPAL GOVERNMENTS			TOWNSHIP GOVERNMENTS			
	Number, 1987	Population, 1986		Number, 1987	Population, 1986		Number, 1987	Population, 1986		
		Number (1,000)	Per- cent		Number (1,000)	Per- cent		Number (1,000)	Per- cent	
Total.....	3,042	217,397	100.0	19,200	149,864	100.0	16,691	52,065	100.0	
250,000 or more.....	167	113,164	52.1	61	44,059	29.4	4	1,744	3.4	
100,000-249,999.....	231	35,559	16.4	122	17,882	11.9	29	4,015	7.7	
50,000-99,999.....	387	27,278	12.6	285	19,522	13.0	74	4,989	9.6	
25,000-49,999.....	616	21,807	10.0	561	19,386	13.0	233	7,832	15.1	
10,000-24,999.....	943	15,580	7.2	1,303	20,425	13.6	706	10,899	20.9	
5,000-9,999.....					1,544	10,950	7.3	1,005	7,021	13.5
2,500-4,999.....					2,151	7,646	5.1	1,775	6,215	11.9
1,000-2,499.....					3,804	6,061	4.1	3,722	5,958	11.4
Less than 1,000.....					9,369	3,933	2.6	9,143	3,392	6.5

Source: U.S. Bureau of the Census, *Census of Governments: 1987, Vol. 1, No. 1, Government Organization*.

**No. 479. COUNTY GOVERNMENTS—SUMMARY OF FINANCES, 1980 TO 1987, AND PER CAPITA, BY
POPULATION-SIZE GROUP, 1987**

[Covers fiscal years ending between July 1 of preceding year and June 30 of year stated. Represents all counties and their dependent agencies (including dependent school systems where applicable). Per capita based on estimated resident population as of July 1986]

ITEM	ALL COUNTIES (mil. dol.) ¹					PER CAPITA (dollars), 1987					
	1980	1984	1985	1986	1987	All counties		Counties with 1986 population (1,000) of—			
						Total (3,042) ²	Per- cent dis- tribu- tion	Less than 100 ³ (2,655) ²	100- 199.9 (179) ²	200- 299.9 (75) ²	300 or more (133) ²
General revenue.....	54,573	77,182	85,600	92,850	101,229	465,64	100.0	420.74	408.58	402.64	521.02
Intergovernmental revenue ⁴	24,746	29,779	32,614	34,791	37,240	171.30	36.8	152.72	148.28	147.98	193.57
From State governments.....	18,069	24,690	26,716	29,490	32,132	147.80	31.8	132.35	128.07	128.55	166.45
From Federal government.....	4,948	4,047	4,706	3,954	3,670	16.88	3.6	15.44	15.10	14.60	18.70
General revenue shar- ing.....	1,746	1,723	1,749	1,714	1,043	4.80	1.0	(NA)	(NA)	(NA)	(NA)
Tax revenue ⁴	18,813	27,901	30,898	34,062	37,240	171.30	36.8	141.43	151.31	140.98	201.51
Property.....	14,244	21,343	23,193	25,366	27,382	125.86	27.0	105.73	109.87	100.65	147.71
Charges and miscellaneous.....	11,014	19,502	21,988	23,997	26,749	123.04	26.4	126.55	109.07	113.73	125.93
General expenditure.....	54,291	74,247	80,948	89,372	89,358	457.03	100.0	414.21	394.47	386.84	513.71
Capital outlay.....	6,505	6,912	7,603	8,738	10,663	49.05	10.7	45.93	41.63	37.24	55.09
Other.....	47,786	67,335	73,345	80,634	88,695	407.99	89.3	368.30	352.84	349.60	458.61
Public welfare.....	8,591	11,276	12,297	13,236	14,338	65.95	14.4	36.91	51.28	70.41	88.09
Education.....	8,412	10,744	11,683	12,777	14,001	64.40	14.1	86.09	79.89	37.84	50.84
Highways.....	5,227	6,460	7,008	7,586	8,175	37.60	8.2	58.04	32.70	28.34	26.98
Hospitals.....	5,975	8,647	9,005	9,350	9,854	45.33	10.0	48.13	23.73	32.68	51.21
General control ⁵	3,374	5,119	5,566	6,195	6,738	30.99	6.8	25.37	27.48	28.28	36.09
Police protection.....	2,661	4,015	4,392	4,810	5,254	24.17	5.3	20.83	22.18	18.73	28.18
Financial administration.....	1,521	2,191	2,410	2,619	2,826	13.00	2.9	13.41	11.73	12.16	13.20
General public buildings.....	1,072	1,347	1,489	1,522	1,856	8.54	1.9	11.10	6.55	6.79	7.65
Health.....	2,806	4,341	4,794	5,395	5,655	26.01	5.7	20.31	25.55	27.58	29.62
Correction.....	1,759	3,118	3,466	4,045	4,643	21.36	4.7	11.27	16.84	20.90	29.26
Natural resources.....	687	854	1,033	1,077	1,205	5.54	1.2	4.41	2.35	1.95	7.72
Parks and recreation.....	1,094	1,390	1,506	1,775	1,782	8.20	1.8	3.82	5.49	6.73	12.04
Interest on general debt.....	1,542	4,004	4,652	5,475	6,671	30.69	6.7	24.59	24.18	22.58	37.80
Other and unallocable.....	9,570	10,741	11,709	13,531	16,360	75.25	16.5	50.43	64.49	71.87	94.98
Debt outstanding, end of year.....	32,993	63,081	72,280	85,885	99,154	456.10	100.0	372.28	384.85	373.92	544.21
Long-term.....	31,543	60,442	69,192	82,828	96,877	445.62	97.7	368.26	378.72	363.23	528.40
Short-term.....	1,450	2,638	3,068	3,056	2,277	10.47	2.3	4.02	6.13	10.69	15.81

NA Not available. ¹Data for counties under 100,000 population are estimates subject to sampling variation; see Appendix III and source. ²Figures in parentheses represent number of counties in each size group. ³Estimated. ⁴Includes other revenues not shown separately. ⁵Includes judicial and legal as well as other administrative expenditures.

Source: U.S. Bureau of the Census, *County Government Finances*, series GF, No. 8, annual.

City Government Finances

293

NO. 480. CITY GOVERNMENTS—SUMMARY OF FINANCES: 1980 TO 1987

[For fiscal years ending in year shown; see text, section 9. Data revised since originally published and may not agree, therefore, with table 492. Represents all municipalities and their dependent agencies (including dependent school systems where applicable); excludes other local governments overlying city areas. Includes sample-based estimates for cities of less than 50,000; thus subject to sampling variation. See Appendix III and source.]

ITEM	TOTAL (mil. dol.)			PER CAPITA ¹ (dol.)			PERCENT DISTRIBUTION		
	1980	1985	1987	1980	1985	1987	1980	1985	1987
Revenue...	94,862	147,672	169,814	672	1,007	1,133	100.0	100.0	100.0
General revenue...	76,056	114,649	130,217	539	781	869	80.2	77.6	76.7
Intergovernmental revenue...	28,270	35,858	37,740	200	244	252	29.8	24.3	22.2
From State governments only...	15,939	23,103	26,384	113	157	176	16.8	15.6	15.5
Taxes...	31,256	47,647	55,366	222	325	369	32.9	32.3	32.6
Property...	16,859	23,458	27,163	119	160	181	17.8	15.9	16.0
Percent of total taxes...	53.9	48.2	49.1	(X)	(X)	(X)	(X)	(X)	(X)
Sales and gross receipts...	8,208	13,877	15,598	58	95	104	8.7	9.4	9.2
General...	5,096	8,589	9,567	36	58	64	5.4	5.8	5.6
Selective...	3,112	5,307	6,031	22	36	40	3.3	3.6	3.6
Income, licenses and other...	6,189	10,312	12,606	44	70	84	6.5	7.0	7.4
Charges and miscellaneous...	16,530	31,142	37,110	117	212	248	17.4	21.1	21.9
Current charges only...	9,875	16,514	19,378	70	113	129	10.4	11.2	11.4
Utility and liquor store revenue...	15,719	26,471	29,103	111	180	194	16.6	17.9	17.1
Water system...	4,989	8,504	9,883	35	58	66	5.3	5.8	5.8
Electric power system...	8,007	13,363	14,929	57	91	100	8.4	9.0	8.8
Gas supply system...	1,444	2,796	2,278	10	19	15	1.5	1.9	1.4
Transit system...	1,032	1,548	1,743	7	11	12	1.1	1.0	1.3
Liquor stores...	247	260	270	2	2	2	.3	.2	.2
Insurance trust revenue...	3,098	6,552	10,494	22	45	70	3.3	4.4	6.2
Expenditure...	93,899	140,000	164,146	664	964	1,095	100.0	100.0	100.0
General expenditure...	72,433	105,852	124,614	513	720	831	77.3	75.5	75.9
Police protection...	8,200	12,574	14,835	58	86	98	8.8	9.0	9.0
Fire protection...	4,535	8,788	7,893	32	46	53	4.8	4.9	4.8
Highways...	5,877	8,708	10,086	42	59	67	5.4	6.2	6.2
Sewerage and other sanitation...	7,807	11,448	13,515	58	78	90	6.4	8.2	8.2
Public welfare...	3,801	5,762	6,395	27	39	43	4.1	4.1	3.9
Education...	9,284	11,433	13,417	66	78	90	9.8	8.2	8.2
Libraries...	883	1,304	1,607	6	9	11	.9	.9	1.0
Health and hospitals...	4,457	6,575	7,383	32	45	49	4.8	4.7	4.5
Parks and recreation...	3,433	4,993	5,975	24	34	40	3.7	3.6	3.7
Housing and community development...	3,459	5,105	5,589	25	35	37	3.7	3.6	3.4
Airports...	1,100	1,694	2,205	8	12	15	1.2	1.2	1.4
Financial administration...	1,843	2,703	3,308	13	18	22	2.0	1.9	2.0
General control ² ...	2,015	3,401	4,035	14	23	27	2.2	2.4	2.5
General public buildings...	1,090	1,483	1,657	8	10	11	1.2	1.1	1.0
Interest on general debt...	3,054	6,859	9,300	22	47	62	3.3	4.9	5.7
Other and unallocable...	11,395	14,814	17,413	81	101	116	12.2	10.6	10.6
Utility and liquor store expenditure...	18,274	28,534	33,710	130	201	225	19.5	21.1	20.5
Water system...	5,933	9,601	11,815	42	65	79	6.3	6.9	7.2
Electric power system...	6,596	13,588	15,486	61	93	103	9.2	9.7	9.4
Gas supply system...	1,334	2,724	2,228	9	19	15	1.4	1.9	1.4
Transit system...	2,189	3,981	3,995	16	23	26	2.3	2.4	2.4
Liquor stores...	222	240	246	2	2	2	.2	.2	.2
Insurance trust expenditure...	2,993	4,614	5,822	21	33	39	3.2	3.4	3.6
By character and object:									
Direct expenditure...	91,692	136,601	159,243	650	931	1,062	97.9	97.6	97.0
Current operation...	66,687	99,301	113,396	473	677	757	71.2	70.9	69.1
Capital outlay...	16,285	21,374	25,882	115	146	173	17.4	15.3	15.8
Construction...	13,341	16,638	19,188	95	113	128	14.2	11.9	11.7
Land and existing structures ³ ...	2,944	4,736	6,674	21	32	45	3.1	3.4	4.1
Assistance payments...	1,546	2,060	2,108	11	14	14	1.6	1.5	1.3
Interest on debt...	4,182	6,052	12,056	30	62	80	4.5	6.5	7.4
Insurance benefits, repayments...	2,992	4,814	5,822	21	33	39	3.2	3.4	3.6
Intergovernmental expenditure...	2,007	3,399	4,903	14	23	33	2.1	2.4	3.0
Total salaries and wages ⁴ ...	34,709	48,050	55,476	246	328	370	37.0	34.3	33.8
Debt outstanding, year end...	86,019	141,139	179,880	610	961	1,200	100.0	100.0	100.0
Long-term...	82,946	135,912	175,537	584	926	1,171	95.7	96.3	97.6
Full faith and credit...	39,570	46,345	57,131	260	316	381	46.0	32.8	31.8
Nonguaranteed...	42,776	69,587	118,405	303	611	790	49.7	63.5	65.6
Short-term...	3,673	5,227	4,323	26	36	29	4.3	3.7	2.4
Net long-term debt outstanding...	72,528	124,516	159,058	514	849	1,061	84.3	88.2	88.4
Long-term debt issued...	12,582	25,683	35,492	89	175	236	(X)	(X)	(X)
Long-term debt retired...	5,541	11,397	20,980	39	78	140	(X)	(X)	(X)

X. Not applicable. ¹ 1980 based on enumerated resident population as of April 1, 1980; 1985 and 1987 based on estimated resident population as of July 1, 1984 and 1986 respectively. ² Includes judicial and legal as well as other governmental administration. ³ Includes equipment. ⁴ Included in items shown above.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF No. 4, annual.

NO. 481. CITY GOVERNMENTS—TOTAL AND PER CAPITA REVENUE, EXPENDITURE, AND DEBT FOR LARGEST CITIES: 1987

[For fiscal year closed in the 12 months ending June 30, 1987. Cities ranked by size of population estimated as of July 1, 1986, except Honolulu and Baton Rouge ranked by county population. Data reflect inclusion of fiscal activity of dependent school systems, where applicable. Intercity comparisons should be made with caution due to variations in responsibilities among urban areas; for details see text, section 9 and source.]

CITIES RANKED BY 1986 POPULATION	GENERAL REVENUE		INTERGOVERNMENTAL REVENUE		TAXES		GENERAL EXPENDITURE		GROSS DEBT OUTSTANDING	
	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)	Total (mil. dol.)	Per capita ¹ (dol.)
New York City, NY ²	26,319	3,624	9,879	1,360	12,792	1,761	24,282	3,343	17,577	2,420
Los Angeles, CA.....	2,675	821	414	127	1,341	411	2,462	755	5,056	1,551
Chicago, IL.....	2,348	780	671	223	1,206	401	2,673	888	3,137	1,042
Houston, TX.....	1,247	722	144	84	608	352	1,406	813	3,136	1,814
Philadelphia, PA ²	2,206	1,342	495	301	1,341	816	2,069	1,260	3,876	2,359
Detroit, MI.....	1,446	1,331	709	653	501	461	1,334	1,228	1,083	997
San Diego, CA.....	791	779	171	169	259	255	670	660	1,562	1,538
Dallas, TX.....	817	814	124	124	421	419	776	774	1,360	1,356
San Antonio, TX.....	575	629	106	115	167	183	685	750	3,193	3,492
Phoenix, AZ.....	830	928	273	305	250	280	762	852	1,765	1,974
Honolulu, HI ²	516	632	117	143	307	376	524	642	473	580
Baltimore, MD ²	1,538	2,043	772	1,025	528	702	1,291	1,715	1,315	1,747
San Francisco, CA ²	1,922	2,566	601	802	687	917	1,527	2,039	1,744	2,329
Indianapolis, IN ²	847	898	245	341	233	324	633	879	548	761
San Jose, CA.....	518	728	89	125	243	341	565	793	928	1,303
Memphis, TN.....	687	1,053	430	659	146	224	666	1,020	842	1,290
Washington, DC ²	3,370	5,383	1,105	1,765	1,815	3,058	3,338	5,331	2,709	4,327
Jacksonville, FL ²	705	1,155	123	202	174	285	483	791	3,135	5,139
Milwaukee, WI.....	518	856	249	412	130	215	474	784	576	953
Boston, MA ²	1,299	2,284	613	1,069	479	835	1,148	2,002	782	1,363
Columbus, OH.....	397	701	66	117	209	369	403	712	1,098	1,940
New Orleans, LA ²	556	1,002	113	204	227	410	528	953	902	1,627
Cleveland, OH.....	434	810	118	220	224	418	471	879	505	942
Denver, CO ²	798	1,580	164	325	303	600	864	1,711	1,166	2,308
El Paso, TX.....	219	445	32	65	79	162	181	368	431	876
Seattle, WA.....	490	1,007	78	161	246	507	508	1,044	774	1,592
Nashville-Davidson, TN ²	743	1,568	163	344	352	743	675	1,426	2,461	5,195
Austin, TX.....	604	1,294	46	98	157	397	551	1,181	2,243	4,807
Oklahoma City, OK.....	299	671	32	72	121	271	270	606	483	1,083
Kansas City, MO.....	470	1,065	60	137	259	586	456	1,033	499	1,131
Fort Worth, TX.....	332	772	40	94	150	350	315	733	872	2,029
St. Louis, MO ²	501	1,175	85	200	260	610	474	1,112	854	1,534
Atlanta, GA.....	541	1,283	105	248	165	392	494	1,171	1,234	2,925
Long Beach, CA.....	444	1,121	83	210	123	310	450	1,138	546	1,378
Portland, OR.....	305	785	54	138	157	404	321	828	555	1,430
Pittsburgh, PA.....	349	901	109	282	204	527	304	766	552	1,424
Miami, FL.....	264	706	60	160	148	395	268	718	339	906
Tulsa, OK.....	387	1,035	23	61	140	375	382	1,023	1,143	3,058
Cincinnati, OH.....	509	1,375	212	573	167	451	385	1,041	191	517
Baton Rouge, LA ²	305	826	43	117	144	390	261	707	592	1,603
Albuquerque, NM.....	397	1,083	128	349	82	224	347	946	1,087	2,963
Tucson, AZ.....	327	896	114	312	111	305	322	882	784	2,150
Oakland, CA.....	416	1,166	86	184	158	444	402	1,125	1,019	2,854
Minneapolis, MN.....	643	1,802	154	432	139	391	485	1,359	1,977	5,541
Charlotte, NC.....	280	796	69	195	111	316	302	859	606	1,722
Omaha, NE.....	207	593	50	143	115	331	182	521	184	526
Toledo, OH.....	234	686	35	103	113	332	186	547	186	545
Virginia Beach, VA ²	443	1,328	165	494	221	663	431	1,293	373	1,118
Buffalo, NY.....	533	1,840	353	1,087	111	340	535	1,648	307	944
Sacramento, CA.....	213	657	29	89	106	329	203	628	181	591
Newark, NJ.....	310	980	183	580	78	248	294	930	163	517
Wichita, KS.....	457	1,586	38	130	64	221	245	850	1,105	3,895
Louisville, KY.....	191	685	45	155	110	381	196	681	610	2,121
Fresno, CA.....	177	623	45	158	72	254	158	556	270	949
Tampa, FL.....	241	868	48	173	84	302	282	1,016	800	2,883
Birmingham, AL.....	207	747	24	86	123	443	208	751	486	1,750
Norfolk, VA ²	420	1,527	169	614	165	601	453	1,647	467	1,700
Colorado Springs, CO.....	226	829	31	113	77	284	166	608	351	1,288
Corpus Christi, TX.....	153	579	20	76	67	255	134	506	356	1,348
St. Paul, MN.....	302	1,144	80	302	78	298	326	1,236	870	3,299
Mesa, AZ.....	135	536	48	193	42	166	149	591	280	1,115
Arlington, TX.....	392	772	40	94	150	350	315	733	872	2,029
Anaheim, CA.....	168	698	32	132	65	270	185	770	595	2,221
St. Petersburg, FL.....	161	672	24	101	58	242	147	615	355	1,484
Santa Ana, CA.....	135	570	27	116	75	315	136	569	406	1,714
Rochester, NY.....	412	1,744	234	992	122	518	404	1,711	186	789
Anchorage, AK ²	633	2,695	261	1,112	154	655	776	3,301	1,153	4,905
Akron, OH.....	168	755	33	150	75	336	171	798	126	567
Shreveport, LA.....	139	629	17	75	76	344	145	659	359	1,629
Jersey City, NJ.....	349	1,591	170	773	101	461	414	1,886	169	772
Aurora, CO.....	185	850	10	44	77	351	133	612	362	1,662
Richmond, VA ²	419	1,926	160	736	203	933	444	2,040	397	1,826
Lexington-Fayette, KY ²	158	799	32	148	78	367	186	869	399	1,870
Jackson, MS.....	110	529	47	225	33	161	118	555	266	1,275
Mobile, AL.....	137	674	11	56	74	363	108	529	548	2,697

¹ Based on estimated population as of July 1, 1986. ² Represents, in effect, city-county consolidated government.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

City Government Finances

295

NO. 482. CITY GOVERNMENTS—FINANCES, BY POPULATION-SIZE GROUP: 1987

[For fiscal year closed in the 12 months ending June 30, 1987. Represents all municipalities and their dependent agencies, including dependent school systems where applicable. Size classifications based on 1982 population estimates; municipalities selected according to their 1986 estimated populations]

ITEM	All cities ¹	CITIES HAVING A 1986 POPULATION OF—						
		Less than 75,000 ¹	75,000 to 99,999	100,000 to 199,999	200,000 to 299,999	300,000 to 499,999	500,000 to 999,999	1,000,000 or more
Number of cities, 1987.....	19,200	18,930	87	108	24	27	16	8
Population, 1986 (1,000).....	149,890	80,386	7,558	14,721	5,902	10,527	10,788	20,008
FINANCES, 1987 (mil. dol.)								
General revenue ²	130,217	42,891	5,844	11,949	5,811	10,764	15,308	37,850
Taxes ²	55,366	16,873	2,511	4,929	2,142	4,220	6,223	18,468
Property.....	27,163	9,708	1,561	2,985	1,031	1,872	2,998	7,008
Percent of total taxes.....	49.1	57.5	62.2	60.6	48.1	44.4	48.2	38.0
Sales and gross receipts.....	15,598	4,789	705	1,383	732	1,494	1,549	4,946
Intergovernmental ²	37,740	10,874	1,452	3,442	1,609	2,570	5,185	12,608
From State governments.....	26,384	7,147	1,089	2,375	1,145	1,461	2,921	10,246
From Federal Government.....	8,420	2,472	280	727	324	744	1,959	1,914
Revenue sharing.....	1,184	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Current charges.....	19,318	7,890	837	1,875	1,008	1,848	2,004	3,856
Water supply and other utilities revenue ³	29,103	14,283	1,089	3,284	1,072	1,974	2,869	4,532
General expenditure ²	124,614	41,384	5,523	11,860	5,828	9,986	14,360	35,673
Police and fire protection.....	22,728	8,907	1,202	2,460	1,027	1,962	2,287	4,883
Education.....	13,417	2,341	777	1,755	947	732	1,669	5,198
Sewerage and sanitation.....	13,515	5,901	583	1,275	570	1,163	1,446	2,577
Highways.....	10,086	5,087	561	1,017	474	739	867	1,341
Health and hospitals.....	7,383	2,130	161	456	217	404	1,132	2,663
Public welfare.....	6,395	205	33	193	93	65	916	4,890
Housing and community development.....	5,589	1,120	242	535	250	525	774	2,143
Interest on general debt.....	9,300	3,384	471	791	572	1,164	1,114	1,804
Water supply and other utilities expenditure ³	33,710	15,160	1,154	3,571	1,338	2,388	3,901	6,198
Gross debt outstanding.....	179,860	65,122	8,392	16,156	11,277	20,444	21,882	36,787
Long-term.....	175,537	63,694	8,282	15,772	11,121	20,255	21,317	35,096
Short-term.....	4,323	1,427	110	384	156	180	366	1,691
PERCENT DISTRIBUTION								
General revenue ²	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Taxes ²	42.5	39.3	44.5	41.3	36.9	39.2	40.7	48.8
Property.....	20.9	22.6	27.7	25.0	17.8	17.4	19.6	18.5
Sales and gross receipts.....	12.0	11.2	12.5	11.6	12.6	13.9	10.1	13.1
Intergovernmental.....	28.0	25.4	25.7	28.8	27.7	23.9	33.9	33.3
Current charges.....	14.8	16.4	14.8	15.7	17.4	17.2	13.1	10.2
General expenditure ²	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Police and fire protection.....	18.2	21.5	21.8	20.8	17.6	19.7	15.9	13.7
Education.....	10.8	5.7	14.1	14.8	16.3	7.3	11.6	14.6
Sewerage and sanitation.....	10.9	14.3	10.6	10.8	9.8	11.7	10.1	7.2
Highways.....	8.1	12.3	10.2	8.6	8.1	7.4	6.0	3.8
Health and hospitals.....	5.9	5.2	2.9	3.9	3.7	4.1	7.9	8.1
Public welfare.....	5.1	.5	.6	1.6	1.6	.7	6.4	13.7
Housing and community development.....	4.5	2.7	4.4	4.5	4.3	5.3	5.4	6.0
Interest on general debt.....	7.5	6.2	8.5	6.7	9.8	11.7	7.8	5.1
PER CAPITA ⁴ (dollars)								
General revenue ²	869	536	747	812	995	1,022	1,419	1,892
Taxes ²	369	211	332	335	363	401	577	923
Property.....	181	121	207	203	175	178	278	350
Sales and gross receipts.....	104	60	93	94	124	142	144	247
Intergovernmental ²	252	136	192	234	273	244	481	630
From State governments.....	176	89	144	161	194	139	271	512
From Federal Government.....	56	31	37	49	55	71	182	96
Revenue sharing.....	8	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Current charges.....	129	99	111	127	171	176	186	193
Water supply and other utilities revenue ³	194	178	144	223	182	188	266	226
General expenditure ²	631	517	731	806	988	949	1,331	1,783
Police and fire protection.....	152	111	159	167	174	186	212	244
Education.....	90	29	103	119	160	70	155	260
Sewerage and sanitation.....	90	74	77	87	97	111	134	129
Highways.....	67	64	74	69	80	70	80	67
Health and hospitals.....	49	27	21	31	37	38	105	144
Public welfare.....	43	3	4	13	16	6	85	244
Housing and community development.....	37	14	32	36	42	50	72	107
Interest on general debt.....	62	42	62	54	97	111	103	90
Water supply and other utilities expenditure ³	225	189	153	241	227	227	362	310
Gross debt outstanding.....	1,200	813	1,110	1,097	1,911	1,942	2,010	1,839
Long-term.....	1,171	795	1,098	1,071	1,884	1,924	1,976	1,754
Short-term.....	29	18	15	26	26	18	34	85

NA Not available. ¹ Data are estimates subject to sampling variation, see source and Appendix III. ² Includes items not shown separately. ³ Includes liquor stores. ⁴ Based on estimated resident population as of July 1, 1986.

Source: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

No. 483. CITY GOVERNMENTS—FINANCES,

[In millions of dollars. For fiscal year closed]

CITIES RANKED BY 1986 ¹ POPULATION	REVENUE							Gross debt outstand- ing	
	Total ²	General revenue			Taxes				
		From State and local gov'ts.	From Federa- l Govern- ment	Intergovernmental revenue		Taxes			
				Total ²	Total ²	Property	Sales and gross receipts		
New York City, NY ³	31,968	26,319	8,817.3	1,061.5	12,792.2	5,025.7	3,026.2	1,687.0	17,577
Los Angeles, CA.....	5,087	2,675	299.6	114.3	1,341.0	474.4	604.6	1,619.1	5,056
Chicago, IL.....	3,103	2,348	377.3	293.9	1,206.1	383.0	690.8	185.6	3,137
Houston, TX.....	1,582	1,247	41.1	103.4	608.1	365.9	226.8	162.5	3,136
Philadelphia, PA ³	2,816	2,206	380.8	114.2	1,340.7	257.9	29.0	542.7	3,876
Detroit, MI.....	1,932	1,446	569.0	140.0	500.7	176.2	49.9	128.4	1,083
San Diego, CA.....	991	791	113.5	57.9	258.9	95.7	138.3	98.1	1,562
Dallas, TX.....	1,012	817	95.8	28.5	420.9	228.6	178.3	107.1	1,360
San Antonio, TX.....	1,425	575	24.0	81.5	167.0	88.4	73.1	620.9	3,193
Phoenix, AZ.....	956	830	199.7	73.2	250.5	83.6	153.1	78.4	1,765
Honolulu, HI ³	576	516	27.2	89.6	307.3	254.3	30.2	59.2	473
Baltimore, MD ³	1,772	1,538	665.1	106.5	528.3	353.1	36.8	41.0	1,315
San Francisco, CA ³	2,498	1,922	506.5	94.4	687.0	358.8	161.2	192.1	1,744
Indianapolis, IN ³	669	647	177.4	68.0	233.0	193.9	14.0	8.6	548
San Jose, CA.....	612	518	69.1	19.8	242.6	92.0	104.6	6.3	928
Memphis, TN.....	1,538	687	398.5	31.9	146.1	107.7	27.4	710.7	842
Washington, DC ³	3,684	3,370	35.2	1,070.1	1,914.7	546.2	561.6	60.6	2,709
Jacksonville, FL ³	1,261	705	77.4	45.9	173.7	128.6	36.2	501.1	3,135
Milwaukee, WI.....	740	518	218.4	30.9	129.9	121.0	2.5	30.1	576
Boston, MA ³	1,456	1,299	574.5	38.6	479.1	432.3	26.5	31.8	782
Columbus, OH.....	466	397	39.6	26.8	208.9	18.7	5.3	69.2	1,096
New Orleans, LA ³	632	556	32.0	81.0	227.2	87.8	125.5	48.5	902
Cleveland, OH.....	559	434	49.3	68.4	224.1	42.3	2.2	124.9	505
Denver, CO ³	956	798	131.7	32.4	303.1	89.4	189.0	86.0	1,166
El Paso, TX.....	267	219	6.2	25.7	79.5	44.3	32.2	27.8	431
Seattle, WA.....	816	490	52.4	25.7	246.3	84.5	106.9	276.8	774
Nashville-Davidson, TN ³	1,316	743	139.2	23.8	352.1	182.9	140.9	531.4	2,461
Austin, TX.....	1,101	604	22.0	23.5	157.1	89.3	58.3	450.8	2,243
Oklahoma City, OK.....	338	299	4.8	27.5	121.1	21.9	95.5	28.3	483
Kansas City, MO.....	561	470	28.2	32.2	258.7	34.3	120.4	33.7	499
Fort Worth, TX.....	439	332	12.9	27.3	150.2	90.8	54.5	59.3	872
St. Louis, MO ³	596	501	25.3	59.9	260.0	33.8	116.4	25.5	654
Atlanta, GA.....	642	541	67.0	37.7	165.3	91.5	47.9	64.4	1,234
Long Beach, CA.....	571	444	54.4	29.0	122.8	51.4	57.2	126.2	546
Portland, OR.....	343	305	38.0	15.6	156.6	110.6	28.4	35.0	555
Pittsburgh, PA.....	366	349	62.9	46.4	204.1	92.9	17.5	-	552
Miami, FL.....	327	264	33.5	26.3	147.8	110.4	29.1	-	339
Tulsa, OK.....	433	387	11.2	11.6	140.3	18.4	119.6	38.2	1,143
Cincinnati, OH.....	668	509	144.1	67.6	166.8	30.6	1.7	40.9	191
Baton Rouge, LA ³	340	305	46.5	19.6	144.2	56.1	80.4	2.9	592
Albuquerque, NM.....	434	397	93.3	34.8	82.2	37.8	39.8	36.6	1,087
Tucson, AZ.....	402	327	80.9	32.9	111.2	19.4	86.1	53.4	784
Oakland, CA.....	443	416	49.9	15.6	158.5	68.9	49.4	-	1,019
Minneapolis, MN.....	791	643	114.2	40.1	139.5	118.2	12.7	20.9	1,977
Charlotte, NC.....	309	280	57.5	11.4	111.1	100.8	2.5	22.5	606
Omaha, NE.....	233	207	23.3	26.5	115.4	53.3	54.7	-	184
Toledo, OH.....	251	234	21.2	13.9	113.2	11.0	.8	17.6	186
Virginia Beach, VA ³	466	443	152.3	12.3	221.0	135.5	63.4	23.8	373
Buffalo, NY.....	548	533	323.3	29.6	110.5	97.6	9.2	15.4	307
Sacramento, CA.....	264	213	25.6	3.1	106.5	34.2	58.6	14.8	191
Newark, NJ.....	339	310	158.4	24.9	78.5	51.6	9.4	27.9	163
Wichita, KS.....	511	457	33.9	3.6	63.7	41.6	19.1	17.0	1,105
Louisville, KY.....	258	191	9.7	34.9	109.7	31.8	15.4	50.5	610
Fresno, CA.....	234	177	35.8	9.1	72.3	28.3	35.1	13.4	270
Tampa, FL.....	341	241	26.7	21.4	83.7	25.1	51.6	22.2	800
Birmingham, AL.....	240	207	11.7	12.0	123.1	19.8	43.7	-	486
Norfolk, VA ³	483	420	129.3	39.9	165.3	88.1	60.0	25.0	467
Colorado Springs, CO.....	489	226	20.7	10.2	77.4	13.9	62.1	260.5	351
Corpus Christi, TX.....	203	153	10.0	10.1	67.3	39.3	26.9	50.4	356
St. Paul, MN.....	345	302	62.7	16.8	76.5	58.5	16.1	20.5	870
Mesa, AZ.....	192	135	43.5	4.9	41.8	3.8	35.0	57.5	280
Arlington, TX.....	439	332	12.9	27.3	150.2	90.8	54.5	59.3	872
Anaheim, CA.....	370	168	28.9	2.9	64.9	12.6	47.6	201.6	535
St. Petersburg, FL.....	207	161	16.6	7.5	58.0	27.2	27.9	32.3	355
Santa Ana, CA.....	149	135	23.6	3.8	74.7	30.9	34.9	13.6	406
Rochester, NY.....	431	412	217.5	16.6	121.9	107.7	8.8	19.3	186
Anchorage, AK ³	734	633	249.5	11.8	154.0	138.2	3.5	79.2	1,153
Akron, OH.....	187	168	19.4	13.8	74.6	12.1	2	19.5	126
Shreveport, LA.....	160	139	5.4	11.3	75.8	30.3	41.5	14.4	359
Jersey City, NJ.....	373	349	165.2	4.5	101.3	99.1	-	17.0	169
Aurora, CO.....	206	185	6.9	2.7	76.6	12.9	50.7	20.8	362
Richmond, VA ³	529	419	123.5	36.7	203.1	125.3	52.6	87.9	397
Lexington-Fayette, KY ³	172	158	8.4	23.3	78.5	14.5	13.4	1.3	399
Jackson, MS.....	126	110	29.3	17.6	33.5	28.7	2.9	12.7	266
Mobile, AL.....	148	137	6.0	5.4	73.8	5.4	53.1	10.7	548

- Represents zero. Z Less than \$50,000.
 * Includes other categories, not shown separately.

¹ Based on estimated resident population as of July 1, 1986.

² Represents, in effect, city-county consolidated government.

City Government Finances

297

LARGEST CITIES: 1987

in the 12 months ending June 30, 1987. See headnote, table 481]

Total ²	EXPENDITURE								CITIES RANKED BY 1986 ¹ POPULATION	
	Total ²	General expenditure								
		Education	Housing and community development	Public welfare	Health and hospitals	Police protection	Fire protection	Highways		
29,622	24,282	5,135.1	1,492.9	4,664.4	2,518.6	1,423.8	690.3	566.7	3,000.1	
4,450	2,462	5.8	180.8	-	5.6	512.5	231.8	126.8	Los Angeles, CA	
3,078	2,673	33.8	150.4	, 87.1	65.8	529.4	192.5	276.8	1,531.2	
1,791	1,406	-	36.2	-	29.2	202.2	134.1	95.9	Chicago, IL	
2,843	2,069	15.2	94.5	138.1	180.8	277.5	98.5	63.0	Houston, TX	
1,801	1,334	6.5	130.7	(z)	73.7	243.9	65.9	102.7	Philadelphia, PA ³	
838	670	-	53.7	1.0	10.3	108.0	45.2	33.7	Detroit, MI	
1,040	776	-	3.3	-	11.4	72.1	75.4	208.7	San Diego, CA	
1,771	685	4.2	19.3	2.9	26.8	66.2	36.1	67.1	Dallas, TX	
866	762	5.5	30.0	.6	.6	110.6	55.1	133.0	San Antonio, TX	
656	524	-	45.9	-	5.2	76.4	33.0	37.1	Phoenix, AZ	
1,400	1,291	395.3	47.2	.5	41.6	134.6	66.4	123.2	Honolulu, HI ³	
2,059	1,527	42.0	33.5	190.1	313.8	122.0	74.7	14.8	Baltimore, MD ³	
691	633	.5	46.3	52.2	115.2	64.0	25.5	40.1	San Francisco, CA ³	
595	565	-	92.8	-	-	74.1	41.3	83.3	Indianapolis, IN ³	
1,411	666	314.2	20.7	-	12.8	55.8	48.3	15.7	San Jose, CA	
3,686	3,338	566.9	195.9	558.1	301.9	231.7	87.6	116.4	Memphis, TN	
1,362	483	(z)	27.5	7.3	27.1	54.6	35.6	32.1	Washington, DC ³	
550	474	-	38.3	-	12.1	92.3	43.9	47.6	Jacksonville, FL ³	
1,309	1,148	340.2	68.3	2.6	132.1	105.3	67.1	42.1	Milwaukee, WI	
498	403	-	12.4	-	16.2	74.6	43.2	27.6	Boston, MA ³	
601	529	-	51.6	14.7	6.9	51.5	30.9	42.6	Columbus, OH	
674	471	-	33.1	.4	13.7	102.0	50.5	33.8	New Orleans, LA ³	
977	864	-	11.2	86.3	104.1	86.8	47.2	32.4	Cleveland, OH	
231	181	-	6.9	.3	9.8	29.5	16.2	11.0	Denver, CO ³	
850	508	-	18.3	-	6.6	64.2	43.4	12.8	EI Paso, TX	
1,321	675	231.2	15.7	6.9	56.5	42.5	23.9	30.5	Seattle, WA	
408	315	-	6.4	-	7.0	40.0	28.8	45.9	Nashville-Davidson, TN ³	
531	474	2.4	40.5	3.0	46.8	76.7	23.6	36.5	Austin, TX	
587	494	18.5	13.4	3.7	.1	42.1	29.3	22.3	Oklahoma City, OK	
601	450	.7	48.9	-	8.3	71.6	43.2	28.4	Kansas City, MO	
392	321	-	40.8	-	12.9	58.9	39.1	17.2	Long Beach, CA	
346	304	-	7.2	(z)	7.1	41.6	34.5	18.9	Portland, OR	
292	268	(z)	17.7	1.7	.5	60.6	35.6	15.3	Pittsburgh, PA	
440	382	.2	6.2	-	4.3	34.7	27.4	32.4	Miami, FL	
454	385	-	44.3	-	25.7	51.2	38.4	27.8	Tulsa, OK	
280	261	-	8.0	.8	20.7	28.2	15.4	35.3	Cincinnati, OH	
400	347	-	12.8	-	4.1	40.1	18.7	28.7	Baton Rouge, LA ³	
403	322	-	16.3	2.2	-	41.7	22.7	43.9	Albuquerque, NM	
436	402	1.7	38.2	-	.5	50.3	29.6	16.7	Tucson, AZ	
567	485	-	53.3	-	7.4	40.0	25.5	38.1	Oakland, CA	
351	302	-	9.4	.3	1.4	26.2	21.3	34.3	Minneapolis, MN	
189	182	.2	9.8	-	.4	27.5	20.5	27.9	Charlotte, NC	
205	186	-	6.4	-	4.2	42.6	27.1	18.3	Omaha, NE	
459	431	202.3	.5	9.4	9.4	29.3	15.7	35.7	Toledo, OH	
550	535	252.8	44.2	-	1.0	33.0	26.0	23.7	Virginia Beach, VA ³	
232	203	-	3.3	-	-	45.8	26.6	26.4	Buffalo, NY	
318	294	-	21.7	35.4	6.1	45.0	31.6	2.7	Sacramento, CA	
282	245	-	6.8	-	1.4	17.9	11.5	26.3	Newark, NJ	
259	196	-	25.9	3.0	4.7	33.3	18.1	6.2	Wichita, KS	
196	158	-	6.5	-	2.5	38.3	16.9	14.7	Louisville, KY	
340	282	-	8.1	-	(z)	35.9	18.6	13.8	Fresno, CA	
219	208	1.2	9.4	-	1.8	23.7	21.0	18.8	Tampa, FL	
487	453	159.5	45.1	23.2	21.6	24.4	16.8	19.5	Birmingham, AL	
501	166	-	1.0	.2	54.4	21.0	12.4	14.7	Norfolk, VA ³	
178	134	-	1.8	.1	4.5	16.6	9.7	18.3	Colorado Springs, CO	
357	326	-	21.5	-	5.6	28.9	19.7	20.9	Corpus Christi, TX	
233	149	-	2.5	.1	-	25.6	16.0	27.0	St. Paul, MN	
408	315	-	6.4	-	7.0	40.0	28.8	45.9	Mesa, AZ	
381	185	-	18.6	-	-	33.9	17.4	9.3	Arlington, TX	
204	147	-	2.9	-	-	27.6	11.5	16.2	Anaheim, CA	
150	135	-	10.3	-	2.1	33.3	14.7	16.0	St. Petersburg, FL	
416	404	204.3	13.9	-	-	28.6	21.7	15.5	Santa Ana, CA	
931	776	271.8	-	5.3	13.2	47.1	22.5	79.3	Rochester, NY	
199	177	-	9.9	-	5.1	22.7	18.6	23.2	Aurora, CO	
171	145	-	5.2	-	-	14.3	14.0	9.2	Mobile, AL	
429	414	162.9	2.8	6.1	80.8	32.7	26.6	7.9	11.4	
180	133	-	1.1	-	-	23.9	16.2	20.7	Jersey City, NJ	
563	444	147.7	46.0	46.5	8.8	29.8	23.4	20.1	Shreveport, LA	
195	137	-	10.2	5.4	8.4	17.8	17.5	19.2	Richmond, VA ³	
130	118	-	.5	2.9	1.0	14.9	12.7	16.2	Lexington-Fayette, KY ³	
122	108	-	-	-	.5	14.7	11.1	3.8	11.5	
									14.5	

Source: U.S. Bureau of the Census, *City Government Finances*, series GF, No. 4, annual.

NO. 484. ESTIMATED STATE AND LOCAL TAXES PAID BY A FAMILY OF FOUR IN SELECTED LARGE CITIES, BY INCOME LEVEL: 1988

[Preliminary. Data based on average family of four (two wage earners and two school age children) owning their own home and living in a city where taxes apply. Comprises State and local sales, income, auto, and real estate taxes. For definition of median, see Guide to Tabular Presentation]

CITY	TOTAL TAXES PAID BY GROSS FAMILY INCOME LEVEL (dol.)				PERCENT OF INCOME BY INCOME LEVEL			
	\$25,000	\$50,000	\$75,000	\$100,000	\$25,000	\$50,000	\$75,000	\$100,000
Albuquerque, NM.....	1,898	3,944	6,296	8,796	7.6	7.9	8.4	8.8
Atlanta, GA.....	2,107	4,403	7,014	9,208	8.4	8.8	9.4	9.2
Baltimore, MD.....	2,809	5,712	8,594	11,374	11.2	11.4	11.5	11.4
Bridgeport, CT.....	2,188	3,653	6,093	7,622	8.8	7.3	8.0	7.8
Burlington, VT.....	2,015	4,055	6,853	9,031	8.1	8.1	8.9	9.0
Charleston, WV.....	2,097	4,194	7,166	9,623	8.4	8.3	9.6	9.6
Charlotte, NC.....	2,255	4,539	8,815	9,440	9.0	9.1	9.1	9.4
Chicago, IL.....	2,031	3,913	5,782	7,468	8.1	7.8	7.7	7.5
Cleveland, OH.....	2,508	5,256	8,148	11,219	10.0	10.5	10.9	11.2
Columbia, SC.....	2,131	4,540	7,394	9,718	8.5	9.1	9.9	9.7
Des Moines, IA.....	2,640	5,444	8,451	11,183	10.6	10.9	11.3	11.2
Detroit, MI.....	3,002	6,068	9,236	12,864	12.0	12.1	12.3	12.8
Honolulu, HI.....	2,522	5,299	8,054	10,949	10.1	10.6	10.7	10.9
Indianapolis, IN.....	2,239	3,943	6,299	8,059	9.0	7.9	8.4	8.1
Jackson, MS.....	1,921	3,863	6,556	8,553	7.7	7.7	8.7	8.8
Louisville, KY.....	2,193	4,417	6,586	8,614	8.8	8.8	8.8	8.6
Memphis, TN.....	1,890	3,163	4,522	5,793	7.6	6.3	6.0	5.7
Milwaukee, WI.....	3,425	7,299	11,044	14,584	13.7	14.6	14.7	14.6
Newark, NJ.....	2,751	5,572	8,542	11,249	11.0	11.1	11.4	11.2
New York City, NY.....	2,465	6,393	10,151	13,797	9.9	12.8	13.5	13.8
Norfolk, VA.....	2,327	4,444	7,258	9,399	9.3	8.9	9.7	9.4
Omaha, NE.....	2,241	4,257	7,002	9,324	9.0	8.5	9.3	9.3
Philadelphia, PA.....	3,073	5,781	8,356	10,949	12.3	11.6	11.1	10.9
Portland, ME.....	1,966	4,890	8,482	11,270	7.9	9.8	11.3	11.3
Portland, OR.....	3,332	7,018	10,973	14,574	13.3	14.0	14.8	14.6
Providence, RI.....	2,614	4,966	8,297	11,006	10.5	10.0	11.1	11.0
St. Louis, MO.....	2,076	3,969	6,090	7,848	8.3	7.9	8.1	7.8
Salt Lake City, UT.....	2,265	4,771	7,254	9,538	9.1	9.5	9.7	9.5
Sioux Falls, SD.....	2,337	4,052	5,724	7,181	9.3	8.1	7.6	7.2
Washington, DC.....	2,514	5,427	8,557	11,862	10.1	10.9	11.4	11.7
Median ¹	2,031	4,001	6,574	8,936	8.1	8.0	8.8	8.9

¹ Median of all 51 cities. For complete list of cities, see table 485.

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison*, annual.

NO. 485. RESIDENTIAL PROPERTY TAX RATES IN SELECTED LARGE CITIES: 1988

CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100	CITY	EFFECTIVE TAX RATE PER \$100		Assessment level (percent)	Nominal rate per \$100
	Rank	Rate				Rank	Rate		
Detroit, MI.....	1	4.10	49.5	8.28	Anchorage, AK.....	26	1.48	90.3	1.64
Milwaukee, WI.....	2	3.69	99.4	3.71	New Orleans, LA.....	27	1.39	10.0	14.63
Newark, NJ.....	3	3.20	22.2	14.46	Jackson, MS.....	28	1.39	10.0	13.92
Portland, OR.....	4	3.10	100.0	3.10	Louisville, KY.....	29	1.33	100.0	1.33
Des Moines, IA.....	5	2.97	80.0	3.71	Billings, MT.....	30	1.30	3.9	33.65
Baltimore, MD.....	6	2.64	42.5	6.21	Charlotte, NC.....	31	1.25	100.0	1.25
Sioux Falls, IA.....	7	2.47	46.0	5.37	Seattle, WA.....	32	1.24	92.5	1.34
Providence, RI.....	8	2.39	100.0	2.39	Norfolk, VA.....	33	1.22	90.6	1.35
Philadelphia, PA.....	9	2.38	30.2	7.87	Wichita, KS.....	34	1.17	7.8	14.97
Omaha, NE.....	10	2.29	88.0	2.61	St. Louis, MO.....	35	1.16	19.0	6.13
Minneapolis, MN.....	11	2.15	17.9	12.02	Columbia, SC.....	36	1.13	4.0	28.25
Cleveland, OH.....	12	2.10	35.0	6.00	Washington, DC.....	37	1.13	92.4	1.22
Jacksonville, FL.....	13	1.97	97.3	2.02	New York City, NY.....	38	1.13	12.1	9.27
Bolse City, ID.....	14	1.93	100.0	1.93	Salt Lake City, UT.....	39	1.11	100.0	1.11
Memphis, TN.....	15	1.77	25.0	7.09	Boston, MA.....	40	1.08	100.0	1.08
Burlington, VT.....	16	1.76	81.0	2.17	Charleston, WV.....	41	1.07	62.0	1.73
Manchester, NH.....	17	1.71	17.0	10.07	Little Rock, AR.....	42	1.02	20.0	5.10
Fargo, ND.....	18	1.62	4.5	36.11	Albuquerque, NM.....	43	1.01	33.3	3.03
Portland, ME.....	19	1.57	48.0	3.28	Denver, CO.....	44	.94	16.0	5.89
Indianapolis, IN.....	20	1.57	15.0	10.48	Las Vegas, NV.....	45	.88	32.5	2.71
Wilmington, DE.....	21	1.56	100.0	1.56	Oklahoma City, OK.....	46	.81	11.0	7.35
Bridgeport, CT.....	22	1.55	27.0	5.74	Casper, WY.....	47	.70	9.1	7.74
Chicago, IL.....	23	1.55	16.0	9.86	Birmingham, AL.....	48	.70	10.0	6.95
Houston, TX.....	24	1.53	100.0	1.53	Phoenix, AZ.....	49	.68	5.4	12.53
Atlanta, GA.....	25	1.50	28.9	5.20	Los Angeles, CA.....	50	.64	61.2	1.04
					Honolulu, HI.....	51	.59	89.0	.66

Source: Government of the District of Columbia, Department of Finance and Revenue, *Tax Rates and Tax Burdens in the District of Columbia: a Nationwide Comparison*, annual.

Property Value and Revenue from Taxes—Employment and Payrolls 299

NO. 486. GROSS ASSESSED VALUE OF PROPERTY AND GOVERNMENT REVENUE FROM PROPERTY TAXES: 1975 TO 1987

[In billions of dollars, except percent. Data are estimates subject to sampling variability; see Appendix III and source]

ITEM	1975	1979	1981	1982	1983	1984	1985	1986	1987
Gross assessed value of property¹	1,096.3	1,678.8	2,958.2	(NA)	(NA)	4,053.1	(NA)	4,817.8	(NA)
State assessed	74.8	113.5	159.2	(NA)	(NA)	200.1	(NA)	242.9	(NA)
Locally assessed	1,021.5	1,565.3	2,799.0	(NA)	(NA)	3,853.0	(NA)	4,574.9	(NA)
Real property	881.6	1,358.5	2,514.9	(NA)	(NA)	3,445.5	(NA)	4,045.4	(NA)
Percent of locally assessed	86.3	86.8	89.8	(NA)	(NA)	89.4	(NA)	89.7	(NA)
Net assessed value of locally taxable property²	1,062.9	1,607.3	2,837.5	(NA)	(NA)	3,868.8	(NA)	4,619.7	(NA)
Percent of gross assessed	97.0	95.7	95.9	(NA)	(NA)	95.5	(NA)	95.9	(NA)
Approximate market value:³									
Locally assessed realty	(NA)	(NA)	6,760.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Ordinary realty	(NA)	(NA)	5,500.7	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
REVENUE FROM PROPERTY TAXES									
Total revenue, State and local	51.5	64.9	75.0	62.1	89.1	96.5	103.8	111.7	121.2
Percent of general revenue	22.6	18.9	17.7	17.9	18.3	17.8	17.4	17.4	17.7
Percent of tax revenue	36.4	31.6	30.7	30.8	31.3	30.1	29.7	29.9	29.9
Revenue, State governments	1.5	2.5	2.9	3.1	3.3	3.9	4.0	4.4	4.6
Percent of all revenue	.9	1.0	.9	.9	.9	1.0	.9	.9	.9
Percent of tax revenue	1.8	2.0	2.0	1.9	1.9	2.0	1.9	1.9	1.9
Revenue, local governments	50.0	62.5	72.0	79.0	85.8	92.6	99.8	107.4	116.6
Annual average percent change from prior year shown	* 6.6	5.7	9.8	9.6	8.7	7.7	7.8	7.6	8.8
Percent of all revenue	32.2	26.6	25.0	25.0	25.4	25.3	24.8	24.7	24.8
Percent of tax revenue	81.6	77.5	76.0	76.1	76.0	75.0	74.2	74.0	73.7

NA Not available. ¹ Gross assessed value amounts may include prior year components for those states unable to report data for indicated year at time of publication. See sources for definitions of terms and limitations of data. ² Value subject to local general property taxation, including State-assessed property, after deduction of partial exemptions. ³ See source for details for computation of approximate market value. * Change from 1971.

Source: U.S. Bureau of the Census, *Census of Governments: 1982 and 1987*, vol. 2; *Property Values Subject to Local General Property Taxation in the United States: 1975 and 1979*, series GSS Nos. 80, 92, and 98; and *Government Finances*, series GF, No. 5, annual.

NO. 487. GOVERNMENTAL EMPLOYMENT AND PAYROLLS: 1970 TO 1987

[For October. Covers both full-time and part-time employees. Except for 1982, local government data are estimates subject to sampling variation; see source, and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series Y 272-307]

TYPE OF GOVERNMENT	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
EMPLOYEES (1,000)											
Total	13,028	14,973	15,971	16,213	15,968	15,841	16,034	16,436	16,890	16,933	17,281
Federal (civilian) ¹	2,881	2,890	2,869	2,898	2,865	2,848	2,875	2,942	3,021	3,019	3,091
State and local	10,147	12,084	13,102	13,315	13,103	12,993	13,159	13,494	13,669	13,913	14,190
Percent of total	77.9	80.7	82.0	82.1	82.1	82.0	82.1	82.1	81.9	82.2	82.1
State	2,755	3,271	3,699	3,753	3,726	3,744	3,816	3,898	3,984	4,068	4,115
Local	7,392	8,813	9,403	9,562	9,377	9,249	9,344	9,595	9,685	9,846	10,076
Counties	1,229	1,563	1,804	1,853	1,808	1,824	1,811	1,872	1,891	1,926	1,963
Municipalities	2,244	2,506	2,553	2,561	2,469	2,397	2,424	2,434	2,467	2,494	2,541
School districts	3,316	3,969	4,200	4,270	4,222	4,194	4,211	4,387	4,416	4,502	4,620
Townships	330	392	401	394	386	356	379	386	392	400	414
Special districts	275	383	445	484	492	478	519	516	519	524	537
OCTOBER PAYROLLS (mil. dol.)											
Total	8,334	13,224	18,077	19,935	21,193	23,173	24,525	26,904	28,945	30,670	32,382
Federal (civilian) ¹	2,428	3,584	4,728	5,205	5,239	5,959	6,301	7,137	7,580	7,561	7,924
State and local	5,906	9,640	13,349	14,730	15,954	17,214	18,224	19,787	21,365	23,109	24,458
Percent of total	70.9	72.9	73.8	73.9	75.3	74.2	74.3	73.5	73.8	75.3	75.5
State	1,612	2,653	3,869	4,285	4,668	5,022	5,346	5,815	6,329	6,810	7,298
Local	4,294	6,987	9,480	10,445	11,287	12,192	12,878	13,952	15,036	16,298	17,160
Counties	640	1,183	1,726	1,936	2,083	2,267	2,387	2,596	2,819	3,009	3,258
Municipalities	1,361	2,129	2,729	2,951	3,222	3,428	3,640	3,872	4,191	4,407	4,687
School districts	2,032	3,160	4,272	4,683	5,021	5,442	5,729	6,283	6,746	7,517	7,768
Townships	122	215	291	330	349	370	398	421	446	474	508
Special districts	140	300	463	546	612	665	724	780	834	892	938

¹ Includes employees outside U.S.

Source: U.S. Bureau of the Census, *1982 Census of Governments*, Vol. 6, No. 5, *Historical Statistics on Governmental Finances and Employment*, and *Public Employment*, series GE, No. 1, annual.

NO. 488. GOVERNMENTAL EMPLOYMENT AND PAYROLLS, BY LEVEL OF GOVERNMENT AND BY FUNCTION: 1987

[For October. Covers both full-time and part-time employees. Local government data are estimates subject to sampling variation; see source, and Appendix III.]

FUNCTION	EMPLOYEES (1,000)					OCTOBER PAYROLLS (mil. dol.)					
	Total	Federal (civilian) ¹	State and local			Total	Federal (civilian) ¹	State and local			
			Total	State	Local			Total	State	Local	
Total	17,281	3,091	14,190	4,115	10,076	32,382	7,924	24,458	7,298	17,180	
National defense ²	1,099	1,099	(x)	(x)	(x)	2,898	2,898	(x)	(x)	(x)	
Postal Service	807	807	(x)	(x)	(x)	1,966	1,966	(x)	(x)	(x)	
Space research and technology	23	23	(x)	(x)	(x)	81	81	(x)	(x)	(x)	
Education	7,404	15	7,389	1,804	5,584	12,352	37	12,315	2,758	9,557	
Teachers	4,153	(x)	4,153	553	3,600	8,874	(x)	8,674	1,275	7,398	
Highways	557	4	553	251	302	1,018	15	1,003	505	498	
Health and hospitals	1,864	265	1,899	681	708	3,024	631	2,393	1,252	1,141	
Police protection	447	14	433	194	239	749	37	712	353	359	
Fire protection	791	73	718	82	636	1,731	213	1,517	195	1,322	
Sanitation and sewerage	335	(x)	335	(x)	335	629	(x)	629	(x)	629	
Parks and recreation	228	(x)	226	1	225	404	(x)	404	2	402	
Natural resources	298	24	274	37	237	371	52	319	50	268	
Financial administration	439	243	196	158	38	968	635	333	283	50	
Other government administration	467	134	333	133	200	843	289	554	258	296	
Judicial and legal	309	36	273	89	174	666	103	563	255	308	
All other	2,027	326	1,701	619	1,082	4,195	896	3,299	1,295	2,004	

X Not applicable. ¹ Includes employees outside United States. ² Includes international relations.

Source: U.S. Bureau of the Census, *Public Employment in 1987*, series GE 87, No. 1.

NO. 489. STATE AND LOCAL GOVERNMENT—FULL-TIME EMPLOYMENT AND SALARY, BY SEX AND RACE/ETHNIC GROUP: 1973 TO 1987

[As of June 30. Excludes school systems and educational institutions. Based on reports from State governments (44 in 1973, 48 in 1975 and 1976, 47 in 1977, 45 in 1978, 48 in 1979, 42 in 1980, 49 in 1981, 47 in 1983, 49 in 1984 through 1987) and a sample of county, municipal, township, and special district jurisdictions employing 15 or more nonselected, nonappointed full-time employees. Data for 1982 not available. For definition of median, see Guide to Tabular Presentation]

YEAR AND OCCUPATION	EMPLOYMENT (1,000)							MEDIAN ANNUAL SALARY (\$1,000)						
	Total	Male	Female	White ¹	Minority			Male	Female	White ¹	Minority			
					Total ²	Black ¹	Hispanic ³				Total ²	Black ¹	Hispanic ³	
1973	3,809	2,486	1,322	3,115	693	523	125	9.6	7.0	8.8	7.5	7.4	7.4	
1975	3,899	2,438	1,464	3,102	797	602	147	11.3	8.2	10.2	8.8	8.6	8.9	
1976	4,368	2,724	1,645	3,490	880	664	165	11.8	8.6	10.7	9.2	9.1	9.4	
1977	4,415	2,737	1,678	3,480	935	705	175	12.4	9.1	11.3	9.7	9.5	9.9	
1978	4,447	2,711	1,736	3,481	966	723	181	13.3	9.7	12.0	10.4	10.1	10.7	
1979	4,576	2,761	1,816	3,568	1,008	751	192	14.1	10.4	12.8	10.9	10.6	11.4	
1980	3,987	2,350	1,637	3,146	842	619	163	15.2	11.4	13.8	11.8	11.5	12.3	
1981	4,665	2,740	1,925	3,591	1,074	780	205	17.7	13.1	16.1	13.5	13.3	14.7	
1983	4,492	2,674	1,818	3,423	1,069	768	219	20.1	15.3	18.5	15.9	15.6	17.3	
1984	4,580	2,700	1,880	3,458	1,121	799	233	21.4	16.2	19.6	17.4	16.5	18.4	
1985	4,742	2,789	1,952	3,563	1,179	835	248	22.3	17.3	20.6	18.4	17.5	19.2	
1986	4,779	2,797	1,982	3,549	1,230	865	259	23.4	18.1	21.5	19.6	18.7	20.2	
1987, total	4,849	2,818	2,031	3,800	1,249	872	268	24.1	18.9	22.4	20.9	19.3	21.1	
Officials/administrators	261	185	76	227	34	22	8	37.7	30.4	35.5	33.8	34.4	34.4	
Professionals	1,027	532	495	623	204	126	38	30.8	25.8	28.3	26.2	26.5	26.8	
Technicians	463	282	181	359	104	68	23	24.8	19.3	22.7	21.3	20.3	22.6	
Protective service	769	684	85	612	157	111	40	25.4	21.6	25.1	24.8	23.0	27.3	
Paraprofessionals	365	107	258	227	138	113	19	18.7	16.3	17.1	17.4	16.4	18.0	
Office/clerical	898	111	787	647	251	188	60	18.5	16.8	16.8	16.9	17.2	17.5	
Skilled craft	404	389	15	318	86	54	25	22.3	17.2	22.2	21.9	20.6	22.6	
Service/maintenance	661	528	133	386	275	210	56	18.2	14.8	17.7	17.2	16.7	18.0	

¹ Nonhispanic. ² Includes other minority groups, not shown separately. ³ Hispanic persons may be of any race.

Source: U.S. Equal Employment Opportunity Commission, *State and Local Government Information Report*, annual.

NO. 490. STATE AND LOCAL GOVERNMENT—EMPLOYEE BENEFITS: 1987

[For January through July. Covers full-time employees in state and local governments. Excludes executive employees, traveling operating employees, elected officials, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid maternity and paternity leave. Based on sample survey of establishments. For data on employee benefits in medium to large firms, see table 679.]

TYPE OF EMPLOYEE BENEFIT	All em- ploy- ees	Regu- lar em- ploy- ees ¹	Teach- ers ²	Police and fire- figh- ters	TYPE OF EMPLOYEE BENEFIT	All em- ploy- ees	Regu- lar em- ploy- ees ¹	Teach- ers ²	Police and fire- figh- ters
Percent of employees participating in—					Retirement and savings plans—Con.				
Paid: Vacations	72	93	13	100	Defined contributions—Con.				
Holidays	81	95	45	93	Money purchase pension ⁴	8	8	7	11
Jury duty leave	98	99	97	92	Additional benefits:				
Funeral leave	56	56	52	75	Parking	73	68	86	73
Rest time ³	58	74	16	48	Educational assistance:				
Military leave	80	85	65	86	Job related	53	59	36	65
Sick leave	97	97	95	97	Not job related	15	16	14	7
Personal leave	38	32	56	36	Travel accident insurance	16	15	19	13
Lunch time ³	17	10	32	39	In-house infirmary	19	19	18	13
Insurance plans:					Severance pay	6	6	7	5
Health	94	94	95	96	Relocation allowance	15	20	5	8
Hospital/surgical ⁴	93	93	93	95	Recreation facilities	11	11	12	11
Mental health care	92	93	93	94	Subsidized meals	12	10	19	1
Private duty nursing	81	91	91	92	Nonproduction bonuses, cash	7	8	3	16
Dental	59	56	61	59	Financial counseling	10	11	9	9
Extended care facility	73	72	71	76	Subsidized commuting	5	5	2	7
Home health care	71	72	67	75	Prepaid legal services	6	6	5	11
Vision	35	36	33	40	Child care	2	2	1	1
Health maintenance organization ³	23	24	18	25	Unpaid maternity leave	57	55	65	51
Life	85	85	82	91	Average months	11.7	11.0	12.7	14.8
Noncontributory	69	70	66	73	Unpaid paternity leave	30	29	32	30
Accident/sickness	14	18	5	14	Average months	14.9	14.5	14.7	19.9
Noncontributory	12	15	4	11	Mean number of—				
Long-term disability	31	28	41	18	Paid holidays	10.9	11.1	9.8	11.2
Noncontributory	28	25	38	15	Paid vacation days after—				
Retirement and savings plans:					1 year	12.0	11.8	14.3	12.6
Defined benefit pension	93	92	95	93	3 years	12.9	12.8	14.8	13.5
Noncontributory	20	22	17	17	10 years	17.7	17.7	16.9	18.8
Defined contribution	9	9	8	13	15 years	19.8	19.7	17.8	21.1
Savings and thrift	1	1	1	1	20 years	21.4	21.4	18.7	22.7
					25 years	22.0	22.0	18.8	23.4

¹ Includes all white-collar employees (professional, administrative, technical, clerical) and blue-collar employees (production, service) except those classified as teachers or police and firefighters. ² Includes all personnel in primary and secondary schools, junior colleges, colleges, and universities whose primary duty is teaching or closely related activities. ³ Data for teachers relate only to primary and secondary school teachers. ⁴ Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. ⁵ For definition, see table 153. ⁶ Fixed contributions are periodically placed in an employee's account and benefits are based on how much money has accumulated at retirement.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in State and Local Governments*, 1987.

NO. 491. STATE AND LOCAL GOVERNMENT BARGAINING AGREEMENTS: 1986 TO 1988

[Agreements covering 1,000 or more workers. Averages presented are means; for definition of mean, see Guide to Tabular Presentation]

ITEM	TOTAL			UNITS WITH—					
	1986	1987	1988	1,000 to 4,999 workers			5,000 or more workers		
				1986	1987	1988	1986	1987	1988
Workers covered, total¹ (1,000):									
All settlements	873	1,291	1,061	450	538	497	423	754	564
State government	313	462	404	89	115	97	224	347	306
Local government	560	830	658	361	422	400	199	407	258
Average wage adjustment² (percent):									
First year of contract:									
All settlements	5.7	4.9	5.1	5.2	4.7	5.0	6.2	5.0	5.2
State government	6.3	4.1	5.3	5.0	4.2	5.3	6.8	4.1	5.3
Local government	5.3	5.3	5.0	5.1	4.9	4.9	5.6	5.8	5.2
Over the life of contract: ³									
All settlements	5.7	5.1	5.3	5.4	4.8	5.1	6.0	5.3	5.5
State government	6.0	4.2	5.0	6.0	4.3	4.7	6.0	4.2	5.1
Local government	5.6	5.6	5.5	5.4	4.9	5.2	6.0	6.2	6.0
Total effective wage adjustments ⁴ (percent)	5.5	4.9	4.7	(NA)	4.6	4.6	(NA)	5.2	4.7
Source:									
Current settlements	2.4	2.7	2.3	(NA)	2.6	2.4	(NA)	2.7	2.2
Prior settlements	3.0	2.2	2.4	(NA)	1.9	2.2	(NA)	2.5	2.5
Cost-of-living adjustments	(Z)	(Z)	(Z)	(NA)	(Z)	(Z)	(NA)	(Z)	(Z)
State government	5.6	4.3	4.1	(NA)	3.9	4.4	(NA)	4.5	4.0
Local government	5.4	5.3	5.1	(NA)	4.8	4.7	(NA)	6.0	5.5

NA Not available. Z Less than .05 percent. ¹ Number of workers covered by settlements reached in each calendar year. ² Data relate to settlements reached in each calendar year and exclude possible cost-of-living adjustments. ³ Average annual rate of change. ⁴ Data relate to all wage changes implemented in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living clauses.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, March issues; and unpublished data.

NO. 492. STATE AND LOCAL GOVERNMENT EMPLOYMENT (FULL-TIME EQUIVALENT), BY SELECTED FUNCTION, 1970 TO 1987, AND BY STATE, 1987

[In thousands, for October. Except 1982, local government data are estimates subject to sampling variation; see source and Appendix III. For composition of regions, see fig. I, inside front cover]

YEAR, REGION, DIVISION, AND STATE	EDUCATION				HEALTH AND HOSPITALS		HIGHWAYS		POLICE AND FIRE PROTECTION		PUBLIC WELFARE	
	Total		Higher education									
	State	Local	State	Local	State	Local	State	Local	State ¹	Local	State	Local
1970.....	803.0	3,454.6	722.2	119.4	482.0	469.0	296.8	271.4	56.8	583.7	97.3	152.5
1980.....	1,062.8	4,278.3	721.7	212.1	649.8	646.4	255.3	277.4	75.5	745.0	171.5	200.4
1981.....	1,062.5	4,239.6	951.7	210.2	654.3	839.3	244.1	265.4	73.1	753.1	169.4	199.7
1982.....	1,052.5	4,177.8	944.5	213.2	652.6	661.6	241.4	268.0	75.3	760.4	169.9	208.6
1983.....	1,072.1	4,164.8	965.7	193.9	637.9	651.9	239.5	265.4	75.9	760.3	172.5	203.1
1984.....	1,091.0	4,303.7	981.2	197.6	644.1	642.9	243.9	274.5	78.7	774.4	174.5	208.7
1986 ²	1,256.4	4,595.3	1,140.4	212.8	652.5	643.9	249.7	284.4	78.5	813.8	186.6	223.1
1987 ²	1,264.2	4,704.1	1,149.1	216.1	681.2	644.7	248.0	288.7	81.6	827.8	190.2	225.5
Region:												
Northeast.....	171.3	978.8	152.8	32.4	180.1	111.7	53.6	70.1	20.1	197.8	42.3	88.9
Midwest.....	352.9	1,126.5	332.2	52.1	131.7	152.0	51.0	79.8	16.9	188.3	48.6	59.7
South.....	449.5	1,702.6	407.9	63.3	256.4	247.7	100.4	91.9	26.5	270.1	75.7	33.2
West.....	290.5	886.1	256.2	68.2	93.0	133.3	43.1	47.0	18.1	171.6	23.6	43.6
N. Eng.....	63.9	237.3	56.1	.1	48.9	14.4	16.1	14.9	5.2	51.8	18.0	5.9
ME.....	6.7	25.6	5.4	-	2.8	1.1	2.7	1.6	.6	3.2	1.9	.2
NH.....	5.6	18.5	5.3	-	2.0	.1	2.0	1.4	.3	3.5	1.0	2.2
VT.....	4.0	11.2	3.7	-	1.2	-	1.1	1.0	.5	1.0	.8	-
MA.....	23.8	107.1	22.5	.1	23.8	11.5	5.1	6.1	1.9	28.0	8.6	1.4
RI.....	6.4	15.1	5.4	-	3.6	-	1.0	.9	.2	4.3	1.7	.1
CT.....	17.2	59.8	13.8	-	15.5	1.6	4.2	3.8	1.7	11.7	4.0	2.0
Mid. Atl.....	107.4	741.6	96.7	32.3	131.3	97.3	37.5	55.2	14.9	146.0	24.3	83.0
NY.....	50.9	379.6	45.4	18.5	82.5	78.2	14.3	34.5	5.6	82.7	8.0	55.0
NJ.....	25.3	158.7	22.1	7.6	22.3	12.7	9.0	10.3	4.1	93.2	5.6	10.3
PA.....	31.2	203.3	29.3	6.2	26.5	6.4	14.1	10.5	5.2	30.0	10.7	17.8
E. No. Cent.....	237.0	781.7	223.7	37.0	81.0	105.6	28.8	49.8	11.5	140.2	30.7	45.0
OH.....	57.0	194.8	54.6	3.3	22.9	28.9	8.6	12.8	2.1	33.6	1.8	19.3
IN.....	40.8	103.7	36.1	-	11.7	19.3	5.6	5.7	1.7	15.5	1.9	3.3
IL.....	50.0	202.8	47.2	16.4	17.8	21.9	8.7	11.2	3.7	47.4	12.2	7.5
MI.....	55.7	190.3	53.6	10.1	19.7	26.8	4.1	10.5	9.2	27.5	13.3	3.3
WI.....	33.5	90.1	32.2	7.2	8.9	10.7	1.9	9.6	.8	16.2	1.5	11.6
W. No. Cent.....	116.8	344.8	108.5	15.1	50.7	46.4	22.1	30.0	5.4	48.2	17.9	14.8
MN.....	33.9	67.9	32.4	-	9.3	12.2	5.0	7.2	.9	9.7	1.6	9.7
IA.....	23.2	62.9	22.1	4.7	9.6	8.6	3.0	5.8	.8	6.6	3.5	2.0
MO.....	18.0	94.5	15.9	4.0	15.4	12.8	6.1	5.5	1.9	16.9	6.0	.4
ND.....	6.6	12.9	6.3	-	2.9	.3	1.1	1.2	.2	1.4	.4	.8
SD.....	4.4	15.0	3.9	-	2.0	.7	1.3	1.6	.3	1.6	1.1	.2
NE.....	12.5	34.9	11.8	2.1	4.4	5.3	2.2	3.5	.6	4.2	2.7	1.0
KS.....	17.2	56.8	16.1	4.3	7.1	6.5	3.5	5.2	.8	7.8	2.8	.6
So. Atl.....	208.7	822.8	190.2	38.2	127.0	132.5	53.6	37.8	15.3	141.6	30.8	24.9
DE.....	6.4	11.3	6.1	-	2.9	.1	1.3	5	.7	1.3	1.7	-
MD.....	22.6	85.3	20.4	7.2	13.6	2.7	5.2	5.5	2.2	16.6	6.7	1.7
DC.....	(X)	130.0	(X)	1.4	(X)	8.3	(X)	1.0	(X)	63	(X)	2.0
VA.....	36.8	121.9	36.2	-	24.8	5.7	10.7	3.8	2.1	17.9	1.7	6.6
WV.....	11.6	43.5	10.1	-	4.0	4.3	5.7	.9	.8	3.3	2.5	-
NC.....	38.8	136.6	35.5	11.3	17.6	19.1	11.2	3.1	2.8	16.9	1.1	9.2
SC.....	25.9	68.8	22.9	-	16.2	11.7	4.6	2.2	1.5	8.7	4.5	.7
GA.....	31.5	126.3	28.3	.4	24.6	46.3	6.3	7.1	2.0	21.3	6.2	.7
FL.....	33.1	216.3	30.7	17.8	23.3	34.2	8.6	13.8	3.2	49.1	8.4	4.4
E. So. Cent.....	96.8	286.4	84.7	4.2	46.0	51.7	18.6	21.0	4.9	42.3	17.4	4.7
KY.....	23.1	71.7	18.9	-	7.8	4.2	6.6	3.1	1.7	8.1	5.5	.5
TN.....	28.1	82.7	26.2	-	13.5	17.8	5.0	6.5	1.1	15.2	5.2	2.9
AL.....	30.1	73.0	25.7	-	14.9	15.2	4.0	6.9	1.1	12.2	4.0	1.0
MS.....	15.3	59.0	13.9	4.2	9.8	14.5	3.1	4.6	1.0	6.7	2.7	.3
W. So. Cent.....	144.2	593.3	132.9	20.9	83.4	63.5	28.2	33.0	6.3	86.3	27.5	3.6
AR.....	13.7	45.3	11.9	-	7.4	5.1	3.9	3.2	.8	6.3	2.7	.4
LA.....	28.0	88.5	24.2	-	24.8	10.0	5.5	5.6	1.0	15.0	5.4	.8
OK.....	23.9	64.1	22.1	-	9.8	8.3	3.7	5.8	1.6	10.4	6.3	.2
TX.....	78.6	395.4	74.8	20.9	41.4	40.0	15.1	18.3	3.0	54.6	13.1	2.3
Mt.....	89.6	288.9	93.4	10.0	26.5	27.1	14.7	16.1	4.5	43.0	11.2	6.5
MT.....	6.3	16.9	6.0	.2	1.5	1.1	1.7	1.4	.3	2.0	1.1	1.0
ID.....	8.4	20.3	7.9	.8	1.8	3.1	1.6	1.4	.4	2.7	1.1	.1
WY.....	3.2	15.4	3.0	1.7	1.4	2.8	1.5	.8	.2	1.7	.6	-
CO.....	26.9	65.7	25.8	1.2	7.8	8.8	3.0	4.8	.9	11.1	1.3	3.1
NM.....	14.1	32.3	13.4	.8	6.1	2.0	2.7	2.1	.6	4.9	1.8	.3
AZ.....	18.4	69.8	16.0	5.4	1.9	5.1	1.1	3.4	1.2	11.5	2.9	1.3
UT.....	16.8	31.4	16.0	-	4.8	1.4	1.6	1.4	.6	4.2	1.8	.4
NV.....	5.6	17.2	5.4	-	1.2	2.8	1.4	.8	.3	4.9	.7	.2
Pac.....	190.9	627.1	162.8	58.2	66.4	106.2	28.3	30.9	13.5	128.6	12.6	37.1
WA.....	37.1	74.9	35.5	-	13.8	8.8	5.5	5.7	1.8	13.6	3.6	.7
OR.....	17.9	57.2	17.0	5.9	6.4	4.0	4.0	3.2	1.1	8.2	3.5	.7
CA.....	104.4	484.8	100.2	52.3	40.3	92.8	15.3	20.3	10.3	100.7	3.0	35.5
AK.....	7.0	10.2	3.6	-	.8	.5	2.8	.6	.4	1.6	1.4	.2
HI.....	24.5	-	6.4	-	5.1	.1	.8	1.1	-.	4.4	.9	-

- Represents zero. X Not applicable. ¹ For State government, represents police protection only. ² Beginning 1986 data not comparable to previous years due to a change in how full-time equivalent is calculated. See text.

Source: U.S. Bureau of the Census, *1982 Census of Governments, Vol. 6, No. 4, Historical Statistics on Governmental Finances and Employment, and Public Employment*, series GE, No. 1, annual.

Employment and Average Earnings

303

NO. 493. STATE AND LOCAL GOVERNMENT EMPLOYMENT AND AVERAGE EARNINGS, BY STATE: 1986 AND 1987

[For October. For composition of regions, see fig. I, inside front cover]

REGION, DIVISION, AND STATE	TOTAL FULL-TIME EQUIVALENT EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT PER 10,000 POPULATION ²				AVERAGE OCTOBER EARNINGS ³ (dot.)			
	State		Local ¹		State		Local ¹		State		Local ¹	
	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987	1986	1987
U.S.	3,437	3,491	8,416	8,595	143	143	349	353	2,052	2,161	1,992	2,061
Region:												
Northeast	704	718	1,823	1,873	141	143	365	373	2,180	2,325	2,137	2,235
Midwest	812	807	2,016	2,037	137	136	340	342	2,007	2,155	2,008	2,057
South	1,238	1,264	2,887	2,949	149	151	348	352	1,803	1,892	1,711	1,763
West	684	703	1,689	1,736	135	141	334	349	2,356	2,499	2,321	2,407
N. Eng.	212	219	390	398	166	171	306	310	2,053	2,209	2,005	2,087
ME	20	21	36	37	168	178	307	312	1,714	1,860	1,590	1,650
NH	18	16	29	30	172	149	285	286	1,759	1,868	1,701	1,771
VT	11	12	15	15	211	215	270	274	1,842	1,995	1,653	1,668
MA	88	93	192	196	151	158	329	334	2,034	2,250	2,082	2,137
RI	19	20	24	24	195	201	245	247	2,041	2,207	2,215	2,268
CT	56	58	95	95	175	181	297	297	2,336	2,400	2,085	2,253
Md. Atl.	492	499	1,433	1,475	132	133	384	394	2,233	2,374	2,173	2,275
NY	272	275	810	845	153	154	456	474	2,355	2,506	2,266	2,404
NJ	96	99	283	284	126	129	372	370	2,278	2,434	2,146	2,225
PA	124	125	340	347	104	105	286	290	1,915	2,018	1,976	2,008
E. No. Cent.	529	524	1,414	1,429	127	125	339	341	2,189	2,264	2,057	2,114
OH	122	125	365	370	113	116	340	343	1,984	2,145	1,911	2,011
IN	75	76	182	184	136	138	330	332	2,056	2,123	1,686	1,742
IL	130	130	385	387	113	112	333	334	2,165	2,166	2,166	2,215
MI	128	129	315	317	140	140	344	345	2,541	2,539	2,328	2,353
WI	74	64	168	171	154	132	351	355	2,128	2,299	2,035	2,076
W. No. Cent.	283	283	602	608	161	160	342	345	1,863	1,949	1,892	1,919
MN	61	64	137	140	145	150	326	330	2,428	2,593	2,318	2,388
IA	57	52	101	101	199	182	355	357	2,049	2,269	1,735	1,764
MO	66	66	157	161	130	130	310	315	1,621	1,635	1,826	1,834
ND	15	15	22	22	222	227	318	320	1,805	1,883	2,017	1,807
SD	13	13	23	23	177	186	330	329	1,684	1,726	1,441	1,482
NE	29	30	65	67	184	186	407	419	1,509	1,539	1,785	1,797
KS	43	43	96	94	174	173	390	381	1,687	1,703	1,700	1,754
So. Atl.	609	627	1,436	1,481	149	150	351	355	1,834	1,938	1,810	1,901
DE	17	19	16	16	272	287	252	250	1,795	1,912	1,991	2,117
MD	80	80	143	146	178	176	321	322	2,046	2,203	2,233	2,344
DC	(X)	(X)	51	56	(X)	(X)	817	888	(X)	(X)	2,594	2,706
VA	102	104	195	200	177	176	336	339	1,895	1,990	1,787	1,902
WV	34	34	61	61	180	177	317	322	1,574	1,631	1,625	1,605
NC	93	100	216	223	147	156	341	348	1,935	2,030	1,662	1,763
SC	69	70	109	110	204	204	322	323	1,705	1,741	1,558	1,588
GA	91	95	239	248	149	153	391	399	1,811	1,881	1,589	1,627
FL	124	126	407	420	106	105	348	349	1,748	1,890	1,872	1,990
E. So. Cent.	247	260	486	497	162	163	320	325	1,706	1,761	1,512	1,542
KY	63	64	102	105	170	173	275	281	1,651	1,709	1,596	1,600
TN	71	71	157	162	147	146	327	333	1,746	1,814	1,554	1,627
AL	70	70	131	133	174	172	324	327	1,884	1,913	1,532	1,543
MS	42	44	95	98	161	169	364	372	1,430	1,509	1,324	1,334
W. So. Cent.	381	387	964	970	142	144	369	361	1,817	1,903	1,665	1,667
AR	39	39	71	72	163	162	299	301	1,724	1,736	1,388	1,385
LA	86	85	151	151	191	191	337	339	1,673	1,710	1,494	1,485
OK	64	64	109	107	195	197	329	328	1,733	1,770	1,595	1,577
TX	193	199	633	640	115	118	379	381	1,927	2,062	1,748	1,757
Mt.	219	218	457	471	168	165	351	358	1,976	2,158	1,964	1,973
MT	16	16	29	27	192	198	349	339	1,864	1,944	1,727	1,720
ID	18	18	33	33	175	182	332	333	1,788	1,865	1,535	1,567
WY	11	10	25	25	213	213	494	501	1,924	1,922	1,967	1,947
CO	50	52	122	125	185	186	375	380	2,388	2,489	2,017	2,014
NM	34	35	49	53	231	235	332	357	1,792	1,798	1,680	1,670
AZ	43	39	119	124	128	114	358	366	2,126	2,760	2,185	2,205
UT	33	32	47	49	197	191	283	289	1,854	1,768	1,900	1,867
NV	15	15	33	35	154	152	343	345	1,990	2,091	2,140	2,226
Pac.	465	485	1,231	1,265	124	133	328	346	2,530	2,660	2,456	2,571
WA	79	84	143	149	177	186	320	328	2,231	2,262	2,134	2,186
OR	44	49	91	93	163	180	338	340	1,975	2,011	2,018	2,058
CA	279	289	965	992	104	105	358	358	2,751	2,920	2,535	2,669
AK	21	20	20	19	393	382	377	368	3,228	3,306	3,324	3,305
HI	41	42	12	12	389	390	113	114	1,844	1,897	2,010	2,139

X. Not applicable. ¹ Estimates subject to sampling variation; see source and Appendix III.
population as of July 1. ³ For full-time employees.

² Based on estimated resident population.

Source: U.S. Bureau of the Census, *Public Employment*, series GE, No. 1, annual.

State and Local Government Finances and Employment

No. 494. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS: 1960 TO 1987

[For October. Includes only those school systems operated as part of the city government. Represents average for period of intervals shown; for 1980, change from 1965, 1972, 1977, 1982, and 1987 based on complete census of all cities; other years based on sample and subject to sampling variation. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	ALL EMPLOYEES, FULL-TIME AND PART-TIME (1,000)		OCTOBER PAYROLLS (mil. dol.)		AVERAGE ANNUAL PERCENT CHANGE		FULL-TIME EQUIVALENT EMPLOYMENT ¹ (1,000)			AVERAGE EARNINGS IN OCTOBER, FULL-TIME EMPLOYEES (dollars)	
	Total	Excl. education	Total	Excl. education	All employees	Oc- tober pay- roll	Total	Ed- ucation	Other	Ed- ucation	Other
1960.....	1,692	1,439	583	471	3.3	7.1	1,447	225	1,222	502	387
1965.....	1,884	1,560	818	649	2.2	7.0	1,638	282	1,356	603	480
1970.....	2,244	1,815	1,361	1,062	3.6	10.7	1,922	359	1,563	838	681
1971.....	2,273	1,838	1,482	1,167	1.3	8.9	1,960	366	1,594	876	735
1972.....	2,375	1,918	1,654	1,302	4.5	11.6	2,029	378	1,650	951	792
1973.....	2,471	1,992	1,855	1,441	4.0	12.2	2,109	402	1,707	1,045	846
1974.....	2,491	2,009	1,995	1,560	.8	7.0	2,127	405	1,722	1,080	909
1975.....	2,506	2,074	2,129	1,725	.6	7.3	2,142	376	1,767	1,130	972
1976.....	2,443	2,021	2,235	1,804	-2.5	5.0	2,107	360	1,747	1,207	1,095
1977.....	2,511	2,084	2,415	1,969	2.8	8.0	2,168	358	1,812	1,280	1,087
1979.....	2,511	2,086	2,537	2,059	(2)	5.1	2,165	381	1,804	1,341	1,148
1979.....	2,553	2,121	2,729	2,215	1.7	7.6	2,189	384	1,825	1,414	1,231
1980.....	2,561	2,130	2,942	2,403	.3	7.8	2,166	386	1,808	1,501	1,388
1981.....	2,489	2,058	3,222	2,640	-3.6	9.5	2,111	346	1,765	1,886	1,500
1982.....	2,396	2,015	3,428	2,861	-2.9	6.4	2,088	317	1,770	1,791	1,625
1983.....	2,423	2,051	3,640	3,059	1.1	6.2	2,060	300	1,760	1,962	1,739
1984.....	2,434	2,070	3,872	3,268	.4	6.4	2,090	300	1,790	2,033	1,831
1985.....	2,467	2,102	4,191	3,536	1.4	8.2	(NA)	(NA)	(NA)	2,117	1,953
1986.....	2,494	2,126	4,407	3,724	1.1	5.1	2,181	320	1,860	2,186	2,044
1987.....	2,541	2,161	4,687	3,898	1.9	6.4	2,222	337	1,885	2,407	2,122

NA Not available. Z Less than .05 percent. ¹ Beginning 1986, data not comparable to previous years due to a change in how full-time equivalent is calculated, see text, section 9.

Source: U.S. Bureau of the Census, *Census of Governments, 1972, 1977, 1982, and 1987, Vol. 3, No. 2, Compendium of Public Employment, and City Employment*, series GE, No. 2, annual.

No. 495. CITY GOVERNMENT EMPLOYMENT AND PAYROLLS—ALL CITIES AND CITIES WITH 75,000 POPULATION OR MORE, BY FUNCTION: 1980 TO 1987

[For October]

ITEM	EMPLOYEES (1,000)				OCTOBER PAYROLLS (mil. dol.)				ITEM	
	All cities ¹				Cities with 75,000 popula- tion or more, ² 1987	All cities ¹				
	1980	1984	1986	1987		1980	1984	1986		
Total	2,561	2,434	2,494	2,641	1,491	2,942	3,872	4,407	4,687	3,242
Full-time.....	2,071	2,007	2,050	2,072	1,329	2,826	3,731	4,231	4,484	3,125
Part-time.....	489	427	445	469	161	116	141	175	203	117
Full-time equivalent³	2,166	2,090	2,181	2,222	1,401	(X)	(X)	(X)	(X)	(X)
Education ⁴	360	300	320	337	272	538	604	683	789	660
Percent of total.....	17	14	15	15	19	18	16	15	17	20
Instructional staff.....	266	222	233	243	194	436	492	553	628	521
Others.....	94	78	87	94	78	102	112	130	161	139
Highways.....	121	121	127	129	58	141	196	223	233	118
Public welfare.....	41	44	50	51	44	47	71	91	96	88
Hospitals.....	131	123	124	125	80	143	189	211	232	164
Health.....	35	34	38	37	31	47	59	73	72	64
Police protection.....	365	373	391	397	218	550	761	858	922	570
Fire protection.....	190	191	194	196	115	300	421	478	495	322
Sewerage.....	60	64	67	67	22	74	106	122	126	67
Solid waste management.....	104	91	92	91	52	118	137	163	160	108
Parks and recreation.....	103	97	112	114	68	116	149	170	176	110
Housing and community development.....	44	43	46	45	38	57	78	92	93	80
Correction.....	18	24	25	27	26	27	50	63	69	67
Libraries.....	34	38	43	44	28	38	53	63	65	44
Financial administration.....	69	68	71	73	35	85	113	130	137	73
Judicial, legal, other governmental administration.....	112	117	113	123	67	147	207	230	248	150
Local utilities ⁵	209	219	226	226	146	306	431	493	500	361
Water supply.....	93	96	99	99	49	116	161	182	186	104
Electric power.....	44	48	50	50	28	67	105	119	124	79
Transit.....	66	68	70	70	66	115	155	178	178	172
All other functions.....	171	141	141	141	91	208	246	267	275	196

X Not applicable. ¹ Data are estimates subject to sampling variation; see source and Appendix III. ² Based on estimated resident population as of July 1, 1986. ³ Beginning 1986, data not directly comparable to previous years due to a change in how full-time equivalent is calculated. See text, section 9. ⁴ City-operated schools and colleges only. ⁵ Includes gas supply, not shown below.

Source: U.S. Bureau of the Census, *City Employment*, series GE, No. 2, annual.

City Government Employment and Payroll

305

NO. 496. CITY GOVERNMENT EMPLOYMENT AND PAYROLL—LARGEST CITIES: 1980 TO 1987

[For October. See text, section 9. See footnote 3, table 483, for those areas representing city/county consolidated governments]

CITIES RANKED BY 1986 POPULATION	TOTAL EMPLOYMENT (1,000)				FULL-TIME EQUIVALENT EMPLOYMENT ¹				OCTOBER PAYROLL (mil. dol.)		AVERAGE EARNINGS IN OCTOBER, FULL- TIME EMPLOYEES (dol.)				
					Total (1,000)		Per 10,000 population ²								
	1980	1985	1986	1987	1980	1986	1987	1980	1987	1980	1987	1980			
New York, NY ^{3,4}	364	383	395	417	319	368	389	451	535	504	972	1,587	2,537		
Los Angeles, CA.....	42	43	44	46	41	44	45	138	139	73	141	1,806	3,120		
Chicago, IL.....	47	45	41	41	45	40	41	150	137	71	109	1,569	2,639		
Houston, TX.....	18	21	21	19	16	21	19	111	112	26	38	1,499	1,978		
Philadelphia, PA.....	33	33	33	33	32	32	32	189	197	51	76	1,611	2,371		
Detroit, MI.....	22	20	21	20	22	20	20	179	182	40	46	1,852	2,371		
San Diego, CA.....	8	8	9	9	7	8	9	81	85	12	22	1,773	2,616		
Dallas, TX.....	14	15	15	15	14	15	15	153	144	20	28	1,465	1,945		
San Antonio, TX.....	10	13	13	13	10	12	12	128	136	13	24	1,282	1,952		
Phoenix, AZ.....	9	10	10	10	9	10	10	114	115	14	19	1,517	1,838		
Honolulu, HI.....	9	9	9	9	9	8	9	117	106	12	18	1,401	2,121		
Baltimore, MD ^{3,4}	44	31	31	32	40	31	31	514	407	47	62	1,772	2,079		
San Francisco, CA.....	21	25	24	23	21	24	23	310	311	37	71	1,761	3,052		
Indianapolis, IN.....	13	12	13	12	12	12	12	174	161	13	21	1,098	1,809		
San Jose, CA.....	10 ^a	5	6	6	10 ^a	4	5	10 ^a	80	71	10 ^a	16	10 ^a	3,494	
Memphis, TN.....	25	23	24	24	22	20	20	342	309	29	39	1,335	1,977		
Washington, DC ^{3,4}	45	44	44	46	42	42	47	651	749	73	124	1,761	2,682		
Jacksonville, FL.....	12 ^a	11	9	10	9 ^a	11	9	9 ^a	202	148	12	11	19	1,031	
Milwaukee, WI.....	10	9	9	9	9	9	9	145	142	15	20	1,631	2,380		
Boston, MA ³	10 ^a	28	21	21	10 ^a	25	21	21	404	367	10 ^a	47	10 ^a	3,398	
Columbus, OH.....	8	7	7	7	7	7	7	122	120	10	14	1,498	2,100		
New Orleans, LA.....	13 ^a	13	11	14	11	13	14	11	13	204	13	11	14	1,919	
Cleveland, OH.....	10	9	9	9	9	9	9	160	165	13	19	1,460	2,135		
Denver, CO.....	13	12	12	16	12	12	12	244	233	18	28	1,540	2,446		
El Paso, TX.....	5	7	5	4	4	4	4	104	87	3	7	942	1,737		
Seattle, WA.....	10	10	10	11	9	9	10	188	197	77	25	1,830	2,748		
Nashville-Davidson, TN ³	18 ^a	18	11	17	11	17	11	17	358	18 ^a	22	34	16	1,295	
Austin, TX.....	8	10	10	8	10	7	8	10	199	8 ^a	213	10	8	21	
Oklahoma City, OK.....	5	7 ^a	5	5	4	4	5	104	86	6	7	1,323	1,921		
Kansas City, MO.....	7	8	6	6	7	6	6	145	137	9	13	1,368	2,232		
Fort Worth, TX.....	12 ^a	5	5	5	6	5	5	120	123	12 ^a	5	11	12	1,198	
St. Louis, MO.....	13	9	8	8	13	8	8	280	179	15	15	1,279	2,016		
Atlanta, GA.....	8	8	7	8	8	7	8	187	181	10	15	1,230	1,922		
Long Beach, CA.....	10 ^a	5	5	5	10 ^a	4	5	10 ^a	122	129	10 ^a	7	14	1,678	
Portland, OR.....	5	7 ^a	5	5	5	4	5	115	115	8	12	1,916	2,763		
Pittsburgh, PA.....	12 ^a	6	6	6	13 ^a	6	6	135	153	13 ^a	6	11	13	1,116	
Miami, FL.....	4	4	4	4	4	4	4	118	119	6	12	1,408	2,990		
Tulsa, OK.....	10 ^a	10 ^a	4	4	10 ^a	4	4	115	111	10 ^a	5	11	10 ^a	1,184	
Cincinnati, OH.....	7	6	7	6	7	6	6	174	153	10	12	1,527	2,052		
Baton Rouge, LA.....	13 ^a	5	5	5	13 ^a	4	5	13 ^a	106	13 ^a	3	8	8	1,908	
Albuquerque, NM.....	12 ^a	4	6	6	7	4	5	119	181	12 ^a	4	12	13	1,135	
Tucson, AZ.....	4	5	5	5	5	4	5	124	129	6	10	1,474	2,272		
Oakland, CA.....	4	4	4	4	4	4	4	109	106	7	11	2,011	2,998		
Minneapolis, MN.....	6	5	6	6	5	6	6	136	170	9	13	1,821	2,240		
Charlotte, NC.....	4	4	4	4	4	4	4	125	123	5	9	1,290	2,018		
Omaha, NE.....	3	3	3	3	3	3	3	92	84	5	7	1,684	2,549		
Toledo, OH.....	4	3	3	3	3	3	3	96	92	6	8	1,758	2,488		
Virginia Beach, VA ³	10	11	11	12	9	11	11	346	329	11	21	1,204	1,885		
Buffalo, NY ³	14	12	12	12	13	11	11	348	341	18	25	1,475	2,403		
Sacramento, CA.....	3	3	3	4	3	3	3	119	98	6	9	1,762	3,017		
Newark, NJ ^{1,6}	12 ^a	17 ^a	17 ^a	15 ^a	12 ^a	17 ^a	17 ^a	374	174	17	17	1,387	1,698		
Wichita, KS.....	3	3	3	3	3	3	3	111	97	4	5	1,327	1,991		
Louisville, KY.....	6	5	5	5	4	6	5	186	141	7	6	1,358	1,574		
Fresno, CA.....	3	3	3	3	3	2	2	115	86	4	6	1,607	2,527		
Tampa, FL.....	5	4	4	4	4	5	4	165	141	5	8	1,178	2,111		
Birmingham, AL.....	4	4	4	4	4	4	4	128	133	5	7	1,333	1,855		
Norfolk, VA ³	11	11	11	11	10	10	10	380	377	12	20	1,222	2,004		
Colorado Springs, CO.....	4	5	5	5	3	5	5	158	175	5	10	1,445	2,217		
Corpus Christi, TX.....	13 ^a	3	3	3	3	3	3	123	108	13 ^a	5	10	1,842	1,777	
St. Paul, MN.....	4	3	3	3	3	3	3	125	123	6	9	1,734	2,717		
Mesa, AZ.....	1	2	2	2	1	2	2	89	87	2	5	1,592	2,533		
Arlington, TX.....	12 ^a	1	2	2	2	2	2	12 ^a	83	12 ^a	1	4	1,180	1,945	
Anaheim, CA.....	2	3	3	3	2	2	2	91	93	3	6	1,616	3,168		
St. Petersburg, FL.....	3	3	3	3	3	3	3	138	119	4	6	1,173	2,076		
Santa Ana, CA.....	2	2	2	2	1	2	2	68	76	2	5	1,819	2,873		
Rochester, NY ³	16 ^a	10	16 ^a	8	9 ^a	8	8	15 ^a	346	16 ^a	14	23	1,630	2,798	
Anchorage, AK ³	8	18 ^a	9	9	8	7	8	397	314	16	26	2,286	3,514		
Akron, OH.....	3	3	3	3	3	3	3	123	117	4	6	1,509	2,154		
Shreveport, LA.....	3	3	3	3	2	3	3	142	111	3	4	954	1,641		
Jersey City, NJ ³	9	9	9	10	9 ^a	8	9	351	378	11	18	1,397	2,220		
Aurora, CO.....	2	2	2	3	2	2	2	98	107	2	5	1,418	2,256		
Richmond, VA ³	16 ^a	10	10	10	16 ^a	10	10	16 ^a	454	16 ^a	12	19	1,621	2,037	
Lexington-Fayette, KY.....	3	4	3	3	2	3	3	122	131	3	5	1,055	1,818		
Jackson, MS.....	3	3	3	2	3	2	2	125	107	3	4	1,045	1,784		
Mobile, AL.....	10 ^a	3	2	2	2	10 ^a	3	2	10 ^a	138	116	10 ^a	4	10 ^a	1,047

¹ Beginning 1986 data not comparable to previous years due to a change in how full-time equivalent is calculated; see text, section 9. ² 1980 based on enumerated resident population as of April 1, 1980; 1987 based on estimated resident population as of July 1, 1986. ³ Includes city-operated elementary and secondary schools. ⁴ Includes city-operated university or college. ⁵ Education data are for 1985. ⁶ 1982 data. ⁷ 1984 data. ⁸ 1986 data. ⁹ Noneducation data are for 1986.

¹⁰ 1979 data. ¹¹ Noneducation data are for 1985. ¹² 1978 data. ¹³ 1977 data. ¹⁴ 1985 data. ¹⁵ Noneducation data are for 1984. ¹⁶ Effective 1983, city no longer has dependent schools. ¹⁷ 1983 data. ¹⁸ Noneducation data are for 1984.